



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Final Analytical Report

Site Name.....	Dimock Residential Groundwater
Sample Collection Date(s).....	03/05/12 07:15- 03/08/12 15:09
Contact.....	Rich Fetzer
Report Date.....	04/02/12 15:02
Project #.....	DAS R33937
Work Order.....	1203001

Analyses included in this report:

Anions By IC 300.0	Glycol by HPLC/MS/MS
Nitrite+Nitrate as Nitrogen by EPA 353.2 FIA	SVOCs by CLP Equivalent
Total Dissolved Solids by 2540C	Total Metals by 200.7
Total Metals by 200.8	Total Nitrogen by mod. EPA 353.2 FIA.
Total Suspended Solids by 2540D	VOCs by CLP Equivalent (trace)

Approved for Release

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OASQA Representative



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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Report Narrative

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Report Narrative

The EPA Region 3 Laboratory's Quality System is NELAP accredited. The National Environmental Laboratory Accreditation Program (NELAP) is a voluntary environmental laboratory accreditation association of State and Federal agencies.

General Notes:

This report contains results for all requested analyses.

All samples were received intact and at proper temperature.

Where applicable, sample results are qualified based on the highest level concentrations of field QC contamination found in the field, equipment, or trip blanks.

Unless otherwise noted below, all required instrument and method QC was run and was within criteria.

Metals Analysis Note:

Uranium, strontium, lithium, tin and titanium were analyzed as an on-demand analysis.

The quantitation limits for several samples for tin were qualified estimated "UJ" due to a quality control sample outside of acceptance limits.

The quantitation limit for uranium for sample 1203001-12 was qualified estimated "UJ" due to the absence of a second source quality control sample.

Glycols by HPLC/MS/MS Note:

Samples were analyzed for diethylene glycol (DiG) (CAS# 111-46-6), triethylene glycol (TriG) (112-27-6), tetraethylene glycol (TeG) (112-60-7), 2-butoxyethanol (2-Bu) (111-76-2) and 2-methoxyethanol (2-Me)(109-86-4) by HPLC/MS/MS (inst id: TQD-LCMSMS) on a Waters Atlantis dC18 3um 2.1 x 150mm column (s/n- 0141301481).

An HPLC/MS/MS method does not currently exist for these analytes. ASTM D 7731-11 and EPA SW-846 Methods 8000C and 8321 were followed for method development and QA/QC limits where applicable. All applicable OASQA On Demand QA/QC protocols were followed.

All QC were within criteria. The quantitation limit for DiG was raised to 50ug/L and the quantitation limit for 2-Bu was raised to 25ug/L because of instrument response during initial calibration. On Demand protocols include the analysis of a low level blank spike at the quantitation limit. All low level blank spikes were within the OASQA limits of 60-140% recovery and are as follows: DiG: 66%, TriG: 61%, TeG: 66%, 2-Bu: 75%, 2-Me: 108%.

The aqueous samples were injected without extraction onto the HPLC/MS/MS system.

Refer to notes in the case file for additional information regarding the analysis.

SVOAs Analysis Note:

All samples were extracted by EPA SW-846 Method 3520C followed by analysis using EPA SW-846 Method 8270D. Refer to notes in case file for additional information regarding the analysis.

Results for sample 1203001-08 are suspect. Although all QC and lab blanks are acceptable for sample 1203001-08, low levels of certain compounds detected indicate possible glassware contamination.

The multiple TICs found in sample 1203001-01 are likely due to extraction of a pH strip that fell in the jar and was not able to be



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Report Narrative

removed.

For this project one additional compound is added to the SVOC analysis; 1-methylnaphthalene. This is a non-routine analysis. All current in-house quality control limits were met.

For all samples, quantitation limits for 2,4-dinitrophenol are qualified estimated "UJ" due to exceeding calibration limits. For most samples, quantitation limits for benzo(k) fluoranthene are qualified estimated "UJ" due to exceeding calibration limits.

For all samples, quantitation limits for 2,4-dinitrophenol are elevated due to zero percent recovery in the low-spike quality control check (BS1) and mid-low-spike quality control check (BS3). Results for the mid-level spike quality control check (BS2) are within acceptance limits; therefore, quantitation limits are raised to the mid-level value. For all samples, quantitation limits for 4,6-dinitro-2-methylphenol are qualified estimated "UJ" due to low percent recovery in the low-spike quality control check (BS1). In the report, only 21 compounds are reported for blank spike quality control check samples. Quality control information about the additional spiked compounds is available in the case file.

Results for a limited number of compounds found in all samples have been qualified "B" because of contamination found in either the method blank, field blank, or equipment blank.

VOA Analysis Note:

Acrylonitrile was analyzed on-demand using CLP equivalent methodology. This analyte does not appear in the data tables or the QC summary and all data for this compound is summarized here. Acrylonitrile was not detected in any of the samples above a quantitation limit of 2 ug/L. A four point curve was analyzed (2, 5, 10 and 20 ug/L). The samples were preserved to a pH<2 with HCl. A low level second source blank spike analyzed at a concentration of 2 ug/L had a recovery of 99%. A mid level second source blank spike analyzed at a concentration of 10 ug/L had a recovery of 101%. Matrix spike/matrix spike duplicate analysis was performed for sample 1203001-04. Matrix spike recoveries were 102% and 94%.

2-Chloroethylvinyl ether is not included in the analysis. 2-chloroethylvinyl ether breaks down in acidified samples.

TSS/TDS Analyses Note:

All required instrument QC was run and was within the required criteria.

Nitrite/Nitrate and Total Nitrogen Analysis Note:

Samples were run as an on-demand analysis.

All required instrument QC was run and was within the required criteria.

As required for this project, sample results for nitrate/nitrite were qualified "B" when the value was less than 10X the value reported for contaminated blanks. All samples with detectable results were qualified "B" due to field blank (FB21) contamination.

Anions Analysis Note:

As required for this project, sample results were qualified "B" when the values for chloride were less than 10X the value reported for the field blanks. Several samples were qualified "B" due to field blank (FB20) contamination.

All required instrument QC was run and was within the required criteria.



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Project #: DAS R33937

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Matrix	Date Sampled	Date Received
FB19	1203001-01	Water	03/05/12 09:36	03/6/12 11:12
HW60	1203001-02	Drinking Water	03/05/12 12:25	03/6/12 11:12
TB49	1203001-03	Water	03/05/12 07:15	03/6/12 11:12
HW56	1203001-04	Drinking Water	03/05/12 16:54	03/7/12 11:00
TB50	1203001-05	Water	03/05/12 10:00	03/7/12 11:00
FB20	1203001-06	Water	03/06/12 14:00	03/8/12 10:45
HW61-P	1203001-07	Drinking Water	03/06/12 16:00	03/8/12 10:45
HW61z	1203001-08	Drinking Water	03/06/12 15:42	03/8/12 10:45
HW61	1203001-09	Drinking Water	03/06/12 15:42	03/8/12 10:45
TB51	1203001-10	Water	03/06/12 07:15	03/8/12 10:45
FB21	1203001-11	Water	03/08/12 13:38	03/9/12 12:05
HW50	1203001-12	Drinking Water	03/08/12 15:09	03/9/12 12:05
TB52	1203001-13	Water	03/08/12 10:35	03/9/12 12:05



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Site Name: Dimock Residential Groundwater

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USEPA CLP Generic COC (LAB COPY)

Date Shipped: 3/5/2012

Carrier Name: FedEx

Airbill No: 7933 0152 9703

CHAIN OF CUSTODY RECORD

No: 3-030512-150147-0242

Lab: EPA R3 Laboratory

Lab Contact:

Lab Phone: 410.305.3032

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
FB19	Aqueous/ Joel Munson	Grab	VOC+TIC(7), VOC+TIC(7), VOC+TIC(7), Anions(7), Glycols, Metals, WetChem(7), SVOC+TIC, TDS(7), TSS(7)	19032 (HCl / 40ml/GlassVial), 19033 (HCl / 40ml/GlassVial), 19034 (HCl / 40ml/GlassVial), 19037 (-NA- / 500mlHDPE), 19038 (-NA- / 40ml/GlassVial), 19039 (HNO3 / 500mlHDPE), 19040 (H2SO4 / 500mlHDPE), 19041 (-NA- / 1000mlAmber), 19042 (-NA- / 500mlHDPE), 19043 (-NA- / 500mlHDPE) (10)	FB19	03/05/2012 09:36	1203001-01
HW60	Drinking Water/ Mike Ferrier	Grab	VOC+TIC(7), VOC+TIC(7), VOC+TIC(7), Anions(7), Glycols, Metals, WetChem(7), SVOC+TIC, TDS(7), TSS(7)	19065 (HCl / 40ml/GlassVial), 19066 (HCl / 40ml/GlassVial), 19067 (HCl / 40ml/GlassVial), 19070 (-NA- / 500mlHDPE), 19071 (-NA- / 40ml/GlassVial), 19072 (HNO3 / 500mlHDPE), 19073 (H2SO4 / 500mlHDPE), 19074 (-NA- / 1000mlAmber), 19075 (-NA- / 500mlHDPE), 19076 (-NA- / 500mlHDPE) (10)	HW60	03/05/2012 12:25	1203001-02

Special Instructions:	Shipment for Case Complete? N
	Samples Transferred From Chain of Custody #

Temp Blank 4°C

Analysis Key: VOC+TIC=07-Volatiles+Acrylonitrile (TCL+TICs), Anions=07-Anions_Method 300.0, Glycols=07-Glycols+2-Butoxyethanol+EGME, Metals=07-Metals, WetChem=07-Phosphorous_NO3-, NO2-, Tot-N, SVOC+TIC=07-Semivolatiles (TCL+TICs+EGME+1-Methylnaphthalen), TDS=07-Solids, Total Dissolved, TSS=07-Solids, Total Suspended

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
20	Dalby	3/5/12	K. Moh	3/6/12	11:12						

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Project #: DAS R33937

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USEPA CLP Generic COC (LAB COPY)

Date Shipped: 3/5/2012

Carrier Name: FedEx

Airbill No: 7933 0152 9703

CHAIN OF CUSTODY RECORD

No: 3-030512-150147-0242

Lab: EPA R3 Laboratory

Lab Contact:

Lab Phone: 410.305.3032

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
TB49	Aqueous/ Kim Whitlock	Grab	VOC+TIC(7), VOC+TIC(7), VOC+TIC(7)	19057 (HCl / 40m/GlassVial), 19058 (HCl / 40m/GlassVial), 19059 (HCl / 40m/GlassVial) (3)	TB49	03/05/2012 07:15	1203001-03

Special Instructions: Temp Blank 4°C	Shipment for Case Complete? N
	Samples Transferred From Chain of Custody #

Analysis Key: VOC+TIC=07-Volatiles+Acrylonitrile (TCL+TICs), Anions=07-Anions_Method 300.0, Glycols=07-Glycols+2-Butoxyethanol+EGME, Metals=07-Metals, WetChem=07-Phosphorous_NO3-NO2-, Tot-N, SVOC+TIC=07-Semivolatiles (TCL+TICs+EGME+1-Methylnaphthalen, TDS=07-Solids, Total Dissolved, TSS=07-Solids, Total Suspended

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
3	DQ/CG	3/5/12	Kim Whitlock	3/6/12	11:12						

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USEPA CLP Generic COC (LAB COPY)

DateShipped: 3/6/2012

CarrierName: FedEx

AirbillNo: 7933 0442 0860

CHAIN OF CUSTODY RECORD

No: 3-030612-092355-0249

Lab: EPA R3 Laboratory

Lab Contact:

Lab Phone: 410.305.3032

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
HW56	Drinking Water/ Mike Ferrier	Grab	VOC+TIC(7), VOC+TIC(7), VOC+TIC(7), Anions(7), Glycols, Metals, WetChem(7), SVOC+TIC, TDS(7), TSS(7), VOC+TIC(7), VOC+TIC(7), VOC+TIC(7), VOC+TIC(7), VOC+TIC(7), SVOC+TIC, SVOC+TIC	19099 (HCl / 40mLGlassVial), 19100 (HCl / 40mLGlassVial), 19101 (HCl / 40mLGlassVial), 19104 (-NA- / 500mLHDPE), 19105 (-NA- / 40mLGlassVial), 19106 (HNO3 / 500mLHDPE), 19107 (H2SO4 / 500mLHDPE), 19108 (-NA- / 1000mLAmber), 19109 (-NA- / 500mLHDPE), 19110 (-NA- / 500mLHDPE), 19124 (HCl / 40mLGlassVial), 19125 (HCl / 40mLGlassVial), 19126 (HCl / 40mLGlassVial), 19127 (HCl / 40mLGlassVial), 19128 (HCl / 40mLGlassVial), 19129 (HCl / 40mLGlassVial), 19142 (-NA- / 1000mLAmber), 19143 (-NA- / 1000mLAmber) (18)	HW56	03/05/2012 16:54	1203001-04
TB50	Aqueous/ Kim Whitlock	Grab	VOC+TIC(7), VOC+TIC(7), VOC+TIC(7)	19091 (HCl / 40mLGlassVial), 19092 (HCl / 40mLGlassVial), 19093 (HCl / 40mLGlassVial) (3)	TB50	03/05/2012 10:00	1203001-05

Sample(s) to be used for Lab QC: HW56	Temp Blnk 5°C	Shipment for Case Complete? N
		Samples Transferred From Chain of Custody #
Analysis Key: VOC+TIC=07-Volatiles+Acrylonitrile (TCL+TICs), Anions=07-Anions, Method 300.0, Glycols=07-Glycols+2-Butoxyethanol+EGME, Metals=07-Metals, WetChem=07-Phosphorous, NO3-, NO2-, Tot-N, SVOC+TIC=07-Semivolatiles (TCL+TICs+EGME+1-Methylnaphthalen, TDS=07-Solids, Total Dissolved, TSS=07-Solids, Total Suspended		

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
21	D. Jackson	3/6/12	K. Mardis	3/6/12	11:00						

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Site Name: Dimock Residential Groundwater

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USEPA CLP Generic COC (LAB COPY)

Date Shipped: 3/7/2012

Carrier Name: FedEx

Airbill No: 7981 4111 5945

CHAIN OF CUSTODY RECORD

No: 3-030712-120529-0255

Lab: EPA R3 Laboratory

Lab Contact:

Lab Phone: 410.305.3032

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
HW61z	Drinking Water/ Mike Ferrier	Grab	VOC+TIC(7), VOC+TIC(7), VOC+TIC(7), Anions(7), Glycols, Metals, WetChem(7), SVOC+TIC, TDS(7), TSS(7)	19178 (HCl / 40ml/GlassVial), 19179 (HCl / 40ml/GlassVial), 19180 (HCl / 40ml/GlassVial), 19183 (-NA- / 500ml/HDPE), 19184 (-NA- / 40ml/GlassVial), 19185 (HNO3 / 500ml/HDPE), 19186 (H2SO4 / 500ml/HDPE), 19187 (-NA- / 1000ml/Amber), 19188 (-NA- / 500ml/HDPE), 19189 (-NA- / 500ml/HDPE) (10)	HW61	03/06/2012 15:42	1203001-08
TB51	Aqueous/ Kim Whitlock	Grab	VOC+TIC(7), VOC+TIC(7), VOC+TIC(7)	19144 (HCl / 40ml/GlassVial), 19145 (HCl / 40ml/GlassVial), 19146 (HCl / 40ml/GlassVial) (3)	TB51	03/06/2012 07:15	1203001-10

Special Instructions:

5°C temp Blank run 3/8/12

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: VOC+TIC=07-Volatiles+Acrylonitrile (TCL+TICs), Anions=07-Anions_Method 300.0, Glycols=07-Glycols+2-Butoxyethanol+EGME, Metals=07-Metals, WetChem=07-Phosphorous_NO3-NO2-Tot-N, SVOC+TIC=07-Semivolatiles (TCL+TICs+EGME+1-Methylnaphthalen), TDS=07-Solids, Total Dissolved, TSS=07-Solids, Total Suspended

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
13	Dalby	3/1/12	Mal	3/8/12	10:45						



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USEPA CLP Generic COC (LAB COPY)

Date Shipped: 3/7/2012

Carrier Name: FedEx

Airbill No: 7981 4111 5945

CHAIN OF CUSTODY RECORD

No: 3-030712-120529-0255

Lab: EPA R3 Laboratory

Lab Contact:

Lab Phone: 410.305.3032

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
FB20	Aqueous/ Joel Munson	Grab	VOC+TIC(7), VOC+TIC(7), VOC+TIC(7)	19222 (HCl / 40mL Glass Vial), 19223 (HCl / 40mL Glass Vial), 19224 (HCl / 40mL Glass Vial) (3)	FB20	03/06/2012 14:00	1Z03001-06
HW61	Drinking Water/ Mike Ferrier	Grab	VOC+TIC(7), VOC+TIC(7), VOC+TIC(7), Anions(7), Glycols, Metals, WetChem(7), SVOC+TIC, TDS(7), TSS(7)	19152 (HCl / 40mL Glass Vial), 19153 (HCl / 40mL Glass Vial), 19154 (HCl / 40mL Glass Vial), 19157 (-NA- / 500mL HDPE), 19158 (-NA- / 40mL Glass Vial), 19159 (HNO3 / 500mL HDPE), 19160 (H2SO4 / 500mL HDPE), 19161 (-NA- / 1000mL Amber), 19162 (-NA- / 500mL HDPE), 19163 (-NA- / 500mL HDPE) (10)	HW61	03/06/2012 15:42	1Z03001-09
HW61-P	Drinking Water/ Brian Burris	Grab	VOC+TIC(7), VOC+TIC(7), VOC+TIC(7)	19204 (HCl / 40mL Glass Vial), 19205 (HCl / 40mL Glass Vial), 19206 (HCl / 40mL Glass Vial) (3)	HW61-P	03/06/2012 16:00	1Z03001-07

Special Instructions:

5°C Temp Blank 3/8/12

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: VOC+TIC=07-Volatiles+Acrylonitrile (TCL+TICs), Anions=07-Anions_Method 300.0, Glycols=07-Glycols+2-Butoxyethanol+EGME, Metals=07-Metals, WetChem=07-Phosphorous_NO3, NO2-Tot-N, SVOC+TIC=07-Semivolatiles (TCL+TICs+EGME+1-Methylnaphthalen), TDS=07-Solids, Total Dissolved, TSS=07-Solids, Total Suspended

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
16	Dalby	3/1/12	Kim Mat	3/8/12	10:45						

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USEPA CLP Generic COC (LAB COPY)

Date Shipped: 3/7/2012

Carrier Name: FedEx

Airbill No: 7933 1071 6806

CHAIN OF CUSTODY RECORD

No: 3-030712-122217-0256

Lab: EPA R3 Laboratory

Lab Contact:

Lab Phone: 410.305.3032

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
FB20	Aqueous/ Joel Munson	Grab	Anions(7), Glycols, Metals, WetChem(7), SVOC+TIC, TDS(7), TSS(7)	19227 (-NA- / 500mlHDPE), 19228 (-NA- / 40mlGlassVial), 19229 (HNO3 / 500mlHDPE), 19230 (H2SO4 / 500mlHDPE), 19231 (-NA- / 1000mlAmber), 19232 (-NA- / 500mlHDPE), 19233 (-NA- / 500mlHDPE) (7)	FB20	03/06/2012 14:00	1203001-06
HW61-P	Drinking Water/ Brian Burris	Grab	Anions(7), Glycols, Metals, WetChem(7), SVOC+TIC, TDS(7), TSS(7)	19209 (-NA- / 500mlHDPE), 19210 (-NA- / 40mlGlassVial), 19211 (HNO3 / 500mlHDPE), 19212 (H2SO4 / 500mlHDPE), 19213 (-NA- / 1000mlAmber), 19214 (-NA- / 500mlHDPE), 19215 (-NA- / 500mlHDPE) (7)	HW61-P	03/06/2012 16:00	1203001-07

Special Instructions: No temp Blank (sample cooler was packed with ice) on 3/8/12

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: Anions=07-Anions, Method 300.0, Glycols=07-Glycols+2-Butoxyethanol+EGME, Metals=07-Metals, WetChem=07-Phosphorous_NO3-, NO2-Tot-N, SVOC+TIC=07-Semivolatiles (TCL+TICs+EGME+1-Methylnaphthalen, TDS=07-Solids, Total Dissolved, TSS=07-Solids, Total Suspended

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
14	Dal M	3/7/12	Kim M	3/8/12	10:45						

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Project #: DAS R33937

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USEPA CLP Generic COC (LAB COPY)

Date Shipped: 3/8/2012

Carrier Name: FedEx

Airbill No: 7933 1786 4140

CHAIN OF CUSTODY RECORD

Case #: CT5865

No: 3-030812-164825-0261

Lab: EPA R3 Laboratory

Lab Contact:

Lab Phone: 410.305.3032

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
FB21	Aqueous/ Joel Munson	Grab	VOC+TIC(7), VOC+TIC(7), VOC+TIC(7), Anions(7), Glycols, Metals, WetChem(7), SVOC+TIC, TDS(7), TSS(7)	18937 (HCl / 40mGlassVial), 18938 (HCl / 40mGlassVial), 18939 (HCl / 40mGlassVial), 18942 (-NA- / 500mHDPE), 18943 (-NA- / 40mGlassVial), 18944 (HNO3 / 500mHDPE), 18946 (H2SO4 / 500mHDPE), 18947 (-NA- / 1000mAmber), 18948 (-NA- / 500mHDPE), 18949 (-NA- / 500mHDPE) (10)	FB21	03/08/2012 13:38	1203001 - 11
HW50	Drinking Water/ Mike Ferrier	Grab	VOC+TIC(7), VOC+TIC(7), VOC+TIC(7), Anions(7), Glycols, Metals, WetChem(7), SVOC+TIC, TDS(7), TSS(7)	18977 (HCl / 40mGlassVial), 18978 (HCl / 40mGlassVial), 18979 (HCl / 40mGlassVial), 18982 (-NA- / 500mHDPE), 18983 (-NA- / 40mGlassVial), 18984 (HNO3 / 500mHDPE), 18986 (H2SO4 / 500mHDPE), 18987 (-NA- / 1000mAmber), 18988 (-NA- / 500mHDPE), 18989 (-NA- / 500mHDPE) (10)	HW50	03/08/2012 15:09	1203001 - 12

Special Instructions:

Temp, Blk = 3.5°C
JMK 3/9/12

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: VOC+TIC=07-Volatiles+Acrylonitrile (TCL+TICs), Anions=07-Anions, Method 300.0, Glycols=07-Glycols+2-Butoxyethanol+EGME, Metals=07-Metals, WetChem=07-Phosphorous_N03,N02,Tot-N, SVOC+TIC=07-Semivolatiles (TCL+TICs+EGME+1-Methylnaphthalen), TDS=07-Solids, Total Dissolved, TSS=07-Solids, Total Suspended

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
20	D. J. Munson	3/8/12	JMK	3/9/12	12:05						

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USEPA CLP Generic COC (LAB COPY)

DateShipped: 3/8/2012

CarrierName: FedEx

AirbillNo: 7933 1786 4140

CHAIN OF CUSTODY RECORD

No: 3-030812-164825-0261

Lab: EPA R3 Laboratory

Lab Contact:

Lab Phone: 410.305.3032

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
TB52	Aqueous/ David Iacovone	Grab	VOC+TIC(7), VOC+TIC(7), VOC+TIC(7)	18967 (HCl / 40mLGlassVial), 18968 (HCl / 40mLGlassVial), 18969 (HCl / 40mLGlassVial) (3)	TB52	03/08/2012 10:35	1203001 13

Special Instructions:

Temp. @K = 35°C
3/9/12Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: VOC+TIC=07-Volatiles+Acrylonitrile (TCL+TICs), Anions=07-Anions, Method 300.0, Glycols=07-Glycols+2-Butoxyethanol+EGME, Metals=07-Metals, WetChem=07-Phosphorous_NO3, NO2, Tot-N, SVOC+TIC=07-Semivolatiles (TCL+TICs+EGME+1-Methylnaphthalen, TDS=07-Solids, Total Dissolved, TSS=07-Solids, Total Suspended

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
3	D. Iacovone	3/8/12	Lynne A Kuhn	3/9/12	12:05						

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Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-01**Station ID:** FB19**Sample Matrix:** Water**Collected:** 03/05/2012

Total Dissolved Solids	U	10	mg/L	1	03/09/12	03/12/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U	10	mg/L	1	03/09/12	03/12/12 11:07	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-02**Station ID:** HW60**Sample Matrix:** Drinking Water**Collected:** 03/05/2012

Total Dissolved Solids	174	10	mg/L	1	03/09/12	03/12/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U	10	mg/L	1	03/09/12	03/12/12 11:07	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-04**Station ID:** HW56**Sample Matrix:** Drinking Water**Collected:** 03/05/2012

Total Dissolved Solids	95	10	mg/L	1	03/09/12	03/12/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U	10	mg/L	1	03/09/12	03/12/12 11:07	SM2540D/R3QA106



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Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-06

Station ID: FB20

Sample Matrix: Water

Collected: 03/06/2012

Total Dissolved Solids	U	10	mg/L	1	03/09/12	03/12/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U	10	mg/L	1	03/09/12	03/12/12 11:07	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-07

Station ID: HW61-P

Sample Matrix: Drinking Water

Collected: 03/06/2012

Total Dissolved Solids	187	10	mg/L	1	03/09/12	03/12/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U	10	mg/L	1	03/09/12	03/12/12 11:07	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-08

Station ID: HW61z

Sample Matrix: Drinking Water

Collected: 03/06/2012

Total Dissolved Solids	211	10	mg/L	1	03/09/12	03/12/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U	10	mg/L	1	03/09/12	03/12/12 11:07	SM2540D/R3QA106



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Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-09

Station ID: HW61

Sample Matrix: Drinking Water

Collected: 03/06/2012

Total Dissolved Solids	201		10	mg/L	1	03/09/12	03/12/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	03/09/12	03/12/12 11:07	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-11

Station ID: FB21

Sample Matrix: Water

Collected: 03/08/2012

Total Dissolved Solids	U		10	mg/L	1	03/09/12	03/12/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	03/09/12	03/12/12 11:07	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-12

Station ID: HW50

Sample Matrix: Drinking Water

Collected: 03/08/2012

Total Dissolved Solids	134		10	mg/L	1	03/09/12	03/12/12 11:05	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	03/09/12	03/12/12 11:07	SM2540D/R3QA106



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Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-01

Station ID: FB19

Sample Matrix: Water

Collected: 03/05/2012

Nitrite + Nitrate as N	0.165	B	0.050	mg/L	1	03/15/12	03/16/12 15:21	EPA 353.2
Total Nitrogen		U	1.00	mg/L	1	03/19/12	03/20/12 14:38	EPA 353.2

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-02

Station ID: HW60

Sample Matrix: Drinking Water

Collected: 03/05/2012

Nitrite + Nitrate as N	U		0.050	mg/L	1	03/15/12	03/16/12 15:22	EPA 353.2
Total Nitrogen	U		1.00	mg/L	1	03/19/12	03/20/12 14:39	EPA 353.2

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-04

Station ID: HW56

Sample Matrix: Drinking Water

Collected: 03/05/2012

Nitrite + Nitrate as N	U	B	0.050	mg/L	1	03/15/12	03/16/12 15:25	EPA 353.2
Total Nitrogen	U		1.00	mg/L	1	03/19/12	03/20/12 14:42	EPA 353.2



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Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-06

Station ID: FB20

Sample Matrix: Water

Collected: 03/06/2012

Nitrite + Nitrate as N	0.168	B	0.050	mg/L	1	03/15/12	03/16/12 15:27	EPA 353.2
Total Nitrogen		U	1.00	mg/L	1	03/19/12	03/20/12 14:45	EPA 353.2

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-07

Station ID: HW61-P

Sample Matrix: Drinking Water

Collected: 03/06/2012

Nitrite + Nitrate as N	1.64	B	0.050	mg/L	1	03/15/12	03/16/12 15:28	EPA 353.2
Total Nitrogen	1.36		1.00	mg/L	1	03/19/12	03/20/12 14:46	EPA 353.2

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-08

Station ID: HW61z

Sample Matrix: Drinking Water

Collected: 03/06/2012

Nitrite + Nitrate as N	1.60	B	0.050	mg/L	1	03/15/12	03/16/12 15:30	EPA 353.2
Total Nitrogen	1.25		1.00	mg/L	1	03/19/12	03/20/12 14:48	EPA 353.2



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Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-09

Station ID: HW61

Sample Matrix: Drinking Water

Collected: 03/06/2012

Nitrite + Nitrate as N	1.60	B	0.050	mg/L	1	03/15/12	03/16/12 15:31	EPA 353.2
Total Nitrogen	1.19		1.00	mg/L	1	03/19/12	03/20/12 14:49	EPA 353.2

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-11

Station ID: FB21

Sample Matrix: Water

Collected: 03/08/2012

Nitrite + Nitrate as N	0.173		0.050	mg/L	1	03/15/12	03/16/12 15:32	EPA 353.2
Total Nitrogen		U	1.00	mg/L	1	03/19/12	03/20/12 14:50	EPA 353.2

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-12

Station ID: HW50

Sample Matrix: Drinking Water

Collected: 03/08/2012

Nitrite + Nitrate as N	0.635	B	0.050	mg/L	1	03/15/12	03/16/12 15:33	EPA 353.2
Total Nitrogen		U	1.00	mg/L	1	03/19/12	03/20/12 14:52	EPA 353.2

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Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-01

Station ID: FB19

Sample Matrix: Water

Collected: 03/05/2012

Bromide	U		0.500	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Chloride	0.735	B	0.250	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Sulfate as SO4	U		0.500	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-02

Station ID: HW60

Sample Matrix: Drinking Water

Collected: 03/05/2012

Bromide	U		0.500	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Chloride	34.9		1.00	mg/L	4	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Sulfate as SO4	1.56		0.500	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108



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Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-04

Station ID: HW56

Sample Matrix: Drinking Water

Collected: 03/05/2012

Bromide	U		0.500	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Chloride	0.974	B	0.250	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Sulfate as SO4	10.1		0.500	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-06

Station ID: FB20

Sample Matrix: Water

Collected: 03/06/2012

Bromide	U		0.500	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Chloride	1.00		0.250	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Sulfate as SO4	U		0.500	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108



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Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-07

Station ID: HW61-P

Sample Matrix: Drinking Water

Collected: 03/06/2012

Bromide	U	0.500	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Chloride	55.8	2.50	mg/L	10	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Fluoride	U	0.100	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Sulfate as SO ₄	12.8	0.500	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-08

Station ID: HW61z

Sample Matrix: Drinking Water

Collected: 03/06/2012

Bromide	U	0.500	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Chloride	59.4	2.50	mg/L	10	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Fluoride	U	0.100	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Sulfate as SO ₄	12.3	0.500	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108



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Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-09

Station ID: HW61

Sample Matrix: Drinking Water

Collected: 03/06/2012

Bromide	U		0.500	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Chloride	56.7		2.50	mg/L	10	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Sulfate as SO4	12.8		0.500	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-11

Station ID: FB21

Sample Matrix: Water

Collected: 03/08/2012

Bromide	U		0.500	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Chloride	0.792	B	0.250	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Sulfate as SO4	U		0.500	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108



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Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-12

Station ID: HW50

Sample Matrix: Drinking Water

Collected: 03/08/2012

Bromide	U		0.500	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Chloride	6.72	B	0.250	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108
Sulfate as SO4	12.9		0.500	mg/L	1	03/14/12	03/14/12 11:02	EPA 300.0/R3QA108

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-01

Station ID: FB19

Sample Matrix: Water

Collected: 03/05/2012

2-Butoxyethanol	U		25.0	ug/L	1	03/13/12	03/14/12 19:20	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	ug/L	1	03/13/12	03/14/12 19:20	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	03/13/12	03/14/12 12:24	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	03/13/12	03/14/12 19:20	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	ug/L	1	03/13/12	03/14/12 19:20	SW846 8321/ASTM D773-11 Modified



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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-02

Station ID: HW60

Sample Matrix: Drinking Water

Collected: 03/05/2012

2-Butoxyethanol	U		25.0	ug/L	1	03/13/12	03/14/12 19:41	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	ug/L	1	03/13/12	03/14/12 19:41	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	03/13/12	03/14/12 12:30	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	03/13/12	03/14/12 19:41	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	ug/L	1	03/13/12	03/14/12 19:41	SW846 8321/ASTM D773-11 Modified

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-04

Station ID: HW56

Sample Matrix: Drinking Water

Collected: 03/05/2012

2-Butoxyethanol	U		25.0	ug/L	1	03/13/12	03/14/12 20:01	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	ug/L	1	03/13/12	03/14/12 20:01	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	03/13/12	03/14/12 12:36	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	03/13/12	03/14/12 20:01	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	ug/L	1	03/13/12	03/14/12 20:01	SW846 8321/ASTM D773-11 Modified



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-06

Station ID: FB20

Sample Matrix: Water

Collected: 03/06/2012

2-Butoxyethanol	U		25.0	ug/L	1	03/13/12	03/14/12 20:22	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	ug/L	1	03/13/12	03/14/12 20:22	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	03/13/12	03/14/12 12:41	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	03/13/12	03/14/12 20:22	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	ug/L	1	03/13/12	03/14/12 20:22	SW846 8321/ASTM D773-11 Modified

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-07

Station ID: HW61-P

Sample Matrix: Drinking Water

Collected: 03/06/2012

2-Butoxyethanol	U		25.0	ug/L	1	03/13/12	03/14/12 20:42	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	ug/L	1	03/13/12	03/14/12 20:42	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	03/13/12	03/14/12 12:47	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	03/13/12	03/14/12 20:42	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	ug/L	1	03/13/12	03/14/12 20:42	SW846 8321/ASTM D773-11 Modified



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
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701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-08

Station ID: HW61z

Sample Matrix: Drinking Water

Collected: 03/06/2012

2-Butoxyethanol	U		25.0	ug/L	1	03/13/12	03/14/12 21:03	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	ug/L	1	03/13/12	03/14/12 21:03	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	03/13/12	03/14/12 12:52	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	03/13/12	03/14/12 21:03	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	ug/L	1	03/13/12	03/14/12 21:03	SW846 8321/ASTM D773-11 Modified

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-09

Station ID: HW61

Sample Matrix: Drinking Water

Collected: 03/06/2012

2-Butoxyethanol	U		25.0	ug/L	1	03/13/12	03/14/12 21:24	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	ug/L	1	03/13/12	03/14/12 21:24	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	03/13/12	03/14/12 12:58	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	03/13/12	03/14/12 21:24	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	ug/L	1	03/13/12	03/14/12 21:24	SW846 8321/ASTM D773-11 Modified



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701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-11

Station ID: FB21

Sample Matrix: Water

Collected: 03/08/2012

2-Butoxyethanol	U		25.0	ug/L	1	03/13/12	03/14/12 21:44	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	ug/L	1	03/13/12	03/14/12 21:44	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	03/13/12	03/14/12 13:03	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	03/13/12	03/14/12 21:44	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	ug/L	1	03/13/12	03/14/12 21:44	SW846 8321/ASTM D773-11 Modified

HPLC Identification

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-12

Station ID: HW50

Sample Matrix: Drinking Water

Collected: 03/08/2012

2-Butoxyethanol	U		25.0	ug/L	1	03/13/12	03/14/12 22:05	SW846 8321/ASTM D773-11 Modified
Diethylene Glycol	U		50.0	ug/L	1	03/13/12	03/14/12 22:05	SW846 8321/ASTM D773-11 Modified
2-Methoxyethanol	U		10.0	ug/L	1	03/13/12	03/14/12 13:09	SW846 8321/ASTM D773-11 Modified
Tetraethylene Glycol	U		25.0	ug/L	1	03/13/12	03/14/12 22:05	SW846 8321/ASTM D773-11 Modified
Triethylene Glycol	U		25.0	ug/L	1	03/13/12	03/14/12 22:05	SW846 8321/ASTM D773-11 Modified



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-01

Station ID: FB19

Sample Matrix: Water

Collected: 03/05/2012

Acenaphthene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Acenaphthylene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Acetophenone	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Anthracene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Atrazine	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Benzaldehyde	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Benzo(a)anthracene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Benzo(a)pyrene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Benzo(b)fluoranthene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Benzo(ghi)perylene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Benzo(k)fluoranthene	U	UJ	5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
1,1-Biphenyl	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Bis(2-chloroethyl)ether	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Bis(2-ethylhexyl)phthalate	3.89	B, J	5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
4-Bromophenyl phenyl ether	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Butyl benzyl phthalate	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Carbazole	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Caprolactam	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
4-Chloroaniline	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
4-Chloro-3-methylphenol	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
2-Chloronaphthalene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
2-Chlorophenol	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Chrysene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Dibenz(a,h)anthracene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Dibenzofuran	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
3,3'-Dichlorobenzidine	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Diethyl phthalate	0.044	B, J	5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
2,4-Dichlorophenol	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
2,4-Dimethylphenol	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-01

Station ID: FB19

Sample Matrix: Water

Collected: 03/05/2012

Dimethyl phthalate	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
2,4-Dinitrophenol	U	UJ	40.0	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Di-n-butyl phthalate	1.93	B, J	5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	10.0	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
2,4-Dinitrotoluene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
2,6-Dinitrotoluene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Di-n-octyl phthalate	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Fluoranthene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Fluorene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Hexachlorobenzene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Hexachlorobutadiene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Hexachlorocyclopentadiene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Hexachloroethane	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Isophorone	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
1-Methylnaphthalene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
2-Methylnaphthalene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
2-Methylphenol	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
4-Methylphenol	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Naphthalene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
2-Nitroaniline	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
3-Nitroaniline	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
4-Nitroaniline	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Nitrobenzene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
2-Nitrophenol	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
4-Nitrophenol	U		10.0	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
N-Nitrosodimethylamine	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
N-Nitrosodiphenylamine	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Pentachlorophenol	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Phenanthrene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
Phenol	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201

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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-01

Station ID: FB19

Sample Matrix: Water

Collected: 03/05/2012

Pyrene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
2,4,5-Trichlorophenol	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201
2,4,6-Trichlorophenol	U		5.00	ug/L	1	03/08/12	03/10/12 01:26	R3QA201

Surrogates

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-01

Station ID: FB19

Sample Matrix: Water

Collected: 03/05/2012

Surrogate: 2-Fluorophenol	23.9	48 %	ug/L	21-110	03/08/12	03/10/12 01:26	R3QA201
Surrogate: Phenol-d5	27.4	55 %	ug/L	10-110	03/08/12	03/10/12 01:26	R3QA201
Surrogate: Nitrobenzene-d5	12.2	49 %	ug/L	35-114	03/08/12	03/10/12 01:26	R3QA201
Surrogate: 2-Fluorobiphenyl	13.6	55 %	ug/L	43-116	03/08/12	03/10/12 01:26	R3QA201
Surrogate: 2,4,6-Tribromophenol	28.1	56 %	ug/L	10-123	03/08/12	03/10/12 01:26	R3QA201
Surrogate: Terphenyl-d14	16.0	64 %	ug/L	33-141	03/08/12	03/10/12 01:26	R3QA201



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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-02

Station ID: HW60

Sample Matrix: Drinking Water

Collected: 03/05/2012

Acenaphthene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Acenaphthylene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Acetophenone	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Anthracene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Atrazine	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Benzaldehyde	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Benzo(a)anthracene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Benzo(a)pyrene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Benzo(b)fluoranthene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Benzo(ghi)perylene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Benzo(k)fluoranthene	U	UJ	4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
1,1-Biphenyl	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Bis(2-chloroethyl)ether	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Bis(2-ethylhexyl)phthalate	0.450	B, J	4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
4-Bromophenyl phenyl ether	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Butyl benzyl phthalate	0.070	B, J	4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Carbazole	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Caprolactam	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
4-Chloroaniline	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
4-Chloro-3-methylphenol	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
2-Chloronaphthalene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
2-Chlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Chrysene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Dibenz(a,h)anthracene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Dibenzofuran	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
3,3'-Dichlorobenzidine	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Diethyl phthalate	0.044	B, J	4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
2,4-Dichlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
2,4-Dimethylphenol	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-02

Station ID: HW60

Sample Matrix: Drinking Water

Collected: 03/05/2012

Dimethyl phthalate	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
2,4-Dinitrophenol	U	UJ	38.1	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Di-n-butyl phthalate	1.43	B, J	4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
2,4-Dinitrotoluene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
2,6-Dinitrotoluene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Di-n-octyl phthalate	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Fluoranthene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Fluorene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Hexachlorobenzene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Hexachlorobutadiene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Hexachlorocyclopentadiene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Hexachloroethane	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Isophorone	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
1-Methylnaphthalene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
2-Methylnaphthalene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
2-Methylphenol	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
4-Methylphenol	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Naphthalene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
2-Nitroaniline	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
3-Nitroaniline	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
4-Nitroaniline	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Nitrobenzene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
2-Nitrophenol	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
4-Nitrophenol	U		9.52	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
N-Nitrosodimethylamine	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
N-Nitrosodiphenylamine	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Pentachlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Phenanthrene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
Phenol	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-02

Station ID: HW60

Sample Matrix: Drinking Water

Collected: 03/05/2012

Pyrene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
2,4,5-Trichlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201
2,4,6-Trichlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 18:48	R3QA201

Surrogates

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-02

Station ID: HW60

Sample Matrix: Drinking Water

Collected: 03/05/2012

Surrogate: 2-Fluorophenol	33.9	71 %	ug/L	21-110	03/08/12	03/09/12 18:48	R3QA201
Surrogate: Phenol-d5	39.5	83 %	ug/L	10-110	03/08/12	03/09/12 18:48	R3QA201
Surrogate: Nitrobenzene-d5	19.9	84 %	ug/L	35-114	03/08/12	03/09/12 18:48	R3QA201
Surrogate: 2-Fluorobiphenyl	19.2	81 %	ug/L	43-116	03/08/12	03/09/12 18:48	R3QA201
Surrogate: 2,4,6-Tribromophenol	47.5	100 %	ug/L	10-123	03/08/12	03/09/12 18:48	R3QA201
Surrogate: Terphenyl-d14	22.3	93 %	ug/L	33-141	03/08/12	03/09/12 18:48	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-04

Station ID: HW56

Sample Matrix: Drinking Water

Collected: 03/05/2012

Acenaphthene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Acenaphthylene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Acetophenone	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Anthracene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Atrazine	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Benzaldehyde	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Benzo(a)anthracene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Benzo(a)pyrene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Benzo(b)fluoranthene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Benzo(ghi)perylene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Benzo(k)fluoranthene	U	UJ	4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
1,1-Biphenyl	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Bis(2-chloroethyl)ether	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Bis(2-ethylhexyl)phthalate	0.428	B, J	4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
4-Bromophenyl phenyl ether	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Butyl benzyl phthalate	0.060	B, J	4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Carbazole	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Caprolactam	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
4-Chloroaniline	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
4-Chloro-3-methylphenol	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
2-Chloronaphthalene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
2-Chlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Chrysene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Dibenz(a,h)anthracene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Dibenzofuran	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
3,3'-Dichlorobenzidine	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Diethyl phthalate	0.035	B, J	4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
2,4-Dichlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
2,4-Dimethylphenol	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-04

Station ID: HW56

Sample Matrix: Drinking Water

Collected: 03/05/2012

Dimethyl phthalate	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
2,4-Dinitrophenol	U	UJ	38.1	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Di-n-butyl phthalate	1.60	B, J	4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
2,4-Dinitrotoluene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
2,6-Dinitrotoluene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Di-n-octyl phthalate	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Fluoranthene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Fluorene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Hexachlorobenzene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Hexachlorobutadiene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Hexachlorocyclopentadiene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Hexachloroethane	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Isophorone	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
1-Methylnaphthalene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
2-Methylnaphthalene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
2-Methylphenol	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
4-Methylphenol	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Naphthalene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
2-Nitroaniline	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
3-Nitroaniline	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
4-Nitroaniline	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Nitrobenzene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
2-Nitrophenol	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
4-Nitrophenol	U		9.52	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
N-Nitrosodimethylamine	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
N-Nitrosodiphenylamine	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Pentachlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Phenanthrene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
Phenol	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-04

Station ID: HW56

Sample Matrix: Drinking Water

Collected: 03/05/2012

Pyrene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
2,4,5-Trichlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201
2,4,6-Trichlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 19:38	R3QA201

Surrogates

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-04

Station ID: HW56

Sample Matrix: Drinking Water

Collected: 03/05/2012

Surrogate: 2-Fluorophenol	36.4	76 %	ug/L	21-110	03/08/12	03/09/12 19:38	R3QA201
Surrogate: Phenol-d5	41.5	87 %	ug/L	10-110	03/08/12	03/09/12 19:38	R3QA201
Surrogate: Nitrobenzene-d5	21.0	88 %	ug/L	35-114	03/08/12	03/09/12 19:38	R3QA201
Surrogate: 2-Fluorobiphenyl	20.1	85 %	ug/L	43-116	03/08/12	03/09/12 19:38	R3QA201
Surrogate: 2,4,6-Tribromophenol	46.9	99 %	ug/L	10-123	03/08/12	03/09/12 19:38	R3QA201
Surrogate: Terphenyl-d14	21.8	91 %	ug/L	33-141	03/08/12	03/09/12 19:38	R3QA201



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701 Mapes Road
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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-06

Station ID: FB20

Sample Matrix: Water

Collected: 03/06/2012

Acenaphthene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Acenaphthylene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Acetophenone	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Anthracene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Atrazine	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Benzaldehyde	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Benzo(a)anthracene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Benzo(a)pyrene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Benzo(b)fluoranthene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Benzo(ghi)perylene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Benzo(k)fluoranthene	U	UJ	4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
1,1-Biphenyl	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Bis(2-chloroethyl)ether	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Bis(2-ethylhexyl)phthalate	0.474	B, J	4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
4-Bromophenyl phenyl ether	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Butyl benzyl phthalate	0.075	B, J	4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Carbazole	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Caprolactam	0.284	J	4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
4-Chloroaniline	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
4-Chloro-3-methylphenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
2-Chloronaphthalene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
2-Chlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Chrysene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Dibenz(a,h)anthracene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Dibenzofuran	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
3,3'-Dichlorobenzidine	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Diethyl phthalate	0.050	B, J	4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
2,4-Dichlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
2,4-Dimethylphenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1203001-06							
Station ID:	FB20							
Sample Matrix:	Water							
Collected:	03/06/2012							
Dimethyl phthalate	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
2,4-Dinitrophenol	U	UJ	38.1	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Di-n-butyl phthalate	1.17	B, J	4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
2,4-Dinitrotoluene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
2,6-Dinitrotoluene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Di-n-octyl phthalate	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Fluoranthene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Fluorene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Hexachlorobenzene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Hexachlorobutadiene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Hexachlorocyclopentadiene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Hexachloroethane	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Isophorone	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
1-Methylnaphthalene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
2-Methylnaphthalene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
2-Methylphenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
4-Methylphenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Naphthalene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
2-Nitroaniline	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
3-Nitroaniline	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
4-Nitroaniline	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Nitrobenzene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
2-Nitrophenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
4-Nitrophenol	U		9.52	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
N-Nitrosodimethylamine	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
N-Nitrosodiphenylamine	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Pentachlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Phenanthrene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
Phenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-06

Station ID: FB20

Sample Matrix: Water

Collected: 03/06/2012

Pyrene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
2,4,5-Trichlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201
2,4,6-Trichlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:07	R3QA201

Surrogates

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-06

Station ID: FB20

Sample Matrix: Water

Collected: 03/06/2012

Surrogate: 2-Fluorophenol	35.1	74 %	ug/L	21-110	03/08/12	03/09/12 22:07	R3QA201
Surrogate: Phenol-d5	40.5	85 %	ug/L	10-110	03/08/12	03/09/12 22:07	R3QA201
Surrogate: Nitrobenzene-d5	20.5	86 %	ug/L	35-114	03/08/12	03/09/12 22:07	R3QA201
Surrogate: 2-Fluorobiphenyl	19.8	83 %	ug/L	43-116	03/08/12	03/09/12 22:07	R3QA201
Surrogate: 2,4,6-Tribromophenol	47.2	99 %	ug/L	10-123	03/08/12	03/09/12 22:07	R3QA201
Surrogate: Terphenyl-d14	21.4	90 %	ug/L	33-141	03/08/12	03/09/12 22:07	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-07

Station ID: HW61-P

Sample Matrix: Drinking Water

Collected: 03/06/2012

Acenaphthene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Acenaphthylene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Acetophenone	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Anthracene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Atrazine	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Benzaldehyde	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Benzo(a)anthracene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Benzo(a)pyrene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Benzo(b)fluoranthene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Benzo(ghi)perylene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Benzo(k)fluoranthene	U	UJ	4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
1,1-Biphenyl	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Bis(2-chloroethyl)ether	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Bis(2-ethylhexyl)phthalate	0.460	B, J	4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
4-Bromophenyl phenyl ether	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Butyl benzyl phthalate	0.061	B, J	4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Carbazole	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Caprolactam	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
4-Chloroaniline	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
4-Chloro-3-methylphenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
2-Chloronaphthalene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
2-Chlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Chrysene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Dibenz(a,h)anthracene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Dibenzofuran	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
3,3'-Dichlorobenzidine	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Diethyl phthalate	0.030	B, J	4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
2,4-Dichlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
2,4-Dimethylphenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-07

Station ID: HW61-P

Sample Matrix: Drinking Water

Collected: 03/06/2012

Dimethyl phthalate	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
2,4-Dinitrophenol	U	UJ	38.1	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Di-n-butyl phthalate	1.20	B, J	4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
2,4-Dinitrotoluene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
2,6-Dinitrotoluene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Di-n-octyl phthalate	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Fluoranthene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Fluorene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Hexachlorobenzene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Hexachlorobutadiene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Hexachlorocyclopentadiene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Hexachloroethane	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Isophorone	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
1-Methylnaphthalene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
2-Methylnaphthalene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
2-Methylphenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
4-Methylphenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Naphthalene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
2-Nitroaniline	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
3-Nitroaniline	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
4-Nitroaniline	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Nitrobenzene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
2-Nitrophenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
4-Nitrophenol	U		9.52	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
N-Nitrosodimethylamine	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
N-Nitrosodiphenylamine	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Pentachlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Phenanthrene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
Phenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-07

Station ID: HW61-P

Sample Matrix: Drinking Water

Collected: 03/06/2012

Pyrene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
2,4,5-Trichlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201
2,4,6-Trichlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 22:57	R3QA201

Surrogates

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-07

Station ID: HW61-P

Sample Matrix: Drinking Water

Collected: 03/06/2012

Surrogate: 2-Fluorophenol	32.0	67 %	ug/L	21-110	03/08/12	03/09/12 22:57	R3QA201
Surrogate: Phenol-d5	36.0	76 %	ug/L	10-110	03/08/12	03/09/12 22:57	R3QA201
Surrogate: Nitrobenzene-d5	18.6	78 %	ug/L	35-114	03/08/12	03/09/12 22:57	R3QA201
Surrogate: 2-Fluorobiphenyl	18.5	78 %	ug/L	43-116	03/08/12	03/09/12 22:57	R3QA201
Surrogate: 2,4,6-Tribromophenol	44.3	93 %	ug/L	10-123	03/08/12	03/09/12 22:57	R3QA201
Surrogate: Terphenyl-d14	20.7	87 %	ug/L	33-141	03/08/12	03/09/12 22:57	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-08

Station ID: HW61z

Sample Matrix: Drinking Water

Collected: 03/06/2012

Acenaphthene	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Acenaphthylene	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Acetophenone	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Anthracene	0.065	J	4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Atrazine	0.062	J	4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Benzaldehyde	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Benzo(a)anthracene	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Benzo(a)pyrene	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Benzo(b)fluoranthene	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Benzo(ghi)perylene	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Benzo(k)fluoranthene	U	UJ	4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
1,1-Biphenyl	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Bis(2-chloroethyl)ether	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Bis(2-ethylhexyl)phthalate	0.470	B, J	4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
4-Bromophenyl phenyl ether	0.049	J	4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Butyl benzyl phthalate	0.116	B, J	4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Carbazole	0.071	J	4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Caprolactam	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
4-Chloroaniline	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
4-Chloro-3-methylphenol	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
2-Chloronaphthalene	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
2-Chlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Chrysene	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Dibenz(a,h)anthracene	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Dibenzofuran	0.022	J	4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
3,3'-Dichlorobenzidine	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Diethyl phthalate	0.073	B, J	4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
2,4-Dichlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
2,4-Dimethylphenol	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-08

Station ID: HW61z

Sample Matrix: Drinking Water

Collected: 03/06/2012

Dimethyl phthalate	0.038	J	4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
2,4-Dinitrophenol	U	UJ	38.1	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Di-n-butyl phthalate	0.829	B, J	4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.52	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
2,4-Dinitrotoluene	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
2,6-Dinitrotoluene	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Di-n-octyl phthalate	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Fluoranthene	0.075	J	4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Fluorene	0.035	J	4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Hexachlorobenzene	0.049	J	4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Hexachlorobutadiene	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Hexachlorocyclopentadiene	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Hexachloroethane	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Isophorone	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
1-Methylnaphthalene	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
2-Methylnaphthalene	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
2-Methylphenol	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
4-Methylphenol	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Naphthalene	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
2-Nitroaniline	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
3-Nitroaniline	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
4-Nitroaniline	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Nitrobenzene	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
2-Nitrophenol	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
4-Nitrophenol	U		9.52	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
N-Nitrosodimethylamine	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
N-Nitrosodiphenylamine	0.055	J	4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Pentachlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Phenanthrene	0.070	J	4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
Phenol	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-08

Station ID: HW61z

Sample Matrix: Drinking Water

Collected: 03/06/2012

Pyrene	0.073	J	4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
2,4,5-Trichlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201
2,4,6-Trichlorophenol	U		4.76	ug/L	1	03/08/12	03/09/12 23:47	R3QA201

Surrogates

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-08

Station ID: HW61z

Sample Matrix: Drinking Water

Collected: 03/06/2012

Surrogate: 2-Fluorophenol	34.1	72 %	ug/L	21-110	03/08/12	03/09/12 23:47	R3QA201
Surrogate: Phenol-d5	39.3	83 %	ug/L	10-110	03/08/12	03/09/12 23:47	R3QA201
Surrogate: Nitrobenzene-d5	19.5	82 %	ug/L	35-114	03/08/12	03/09/12 23:47	R3QA201
Surrogate: 2-Fluorobiphenyl	19.0	80 %	ug/L	43-116	03/08/12	03/09/12 23:47	R3QA201
Surrogate: 2,4,6-Tribromophenol	46.1	97 %	ug/L	10-123	03/08/12	03/09/12 23:47	R3QA201
Surrogate: Terphenyl-d14	21.7	91 %	ug/L	33-141	03/08/12	03/09/12 23:47	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-09

Station ID: HW61

Sample Matrix: Drinking Water

Collected: 03/06/2012

Acenaphthene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Acenaphthylene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Acetophenone	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Anthracene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Atrazine	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Benzaldehyde	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Benzo(a)anthracene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Benzo(a)pyrene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Benzo(b)fluoranthene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Benzo(ghi)perylene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Benzo(k)fluoranthene	U	UJ	5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
1,1-Biphenyl	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Bis(2-chloroethyl)ether	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Bis(2-ethylhexyl)phthalate	0.504	B, J	5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
4-Bromophenyl phenyl ether	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Butyl benzyl phthalate	0.044	B, J	5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Carbazole	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Caprolactam	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
4-Chloroaniline	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
4-Chloro-3-methylphenol	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
2-Chloronaphthalene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
2-Chlorophenol	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Chrysene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Dibenz(a,h)anthracene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Dibenzofuran	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
3,3'-Dichlorobenzidine	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Diethyl phthalate	0.031	B, J	5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
2,4-Dichlorophenol	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
2,4-Dimethylphenol	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-09

Station ID: HW61

Sample Matrix: Drinking Water

Collected: 03/06/2012

Dimethyl phthalate	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
2,4-Dinitrophenol	U	UJ	40.0	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Di-n-butyl phthalate	0.998	B, J	5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	10.0	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
2,4-Dinitrotoluene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
2,6-Dinitrotoluene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Di-n-octyl phthalate	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Fluoranthene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Fluorene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Hexachlorobenzene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Hexachlorobutadiene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Hexachlorocyclopentadiene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Hexachloroethane	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Isophorone	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
1-Methylnaphthalene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
2-Methylnaphthalene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
2-Methylphenol	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
4-Methylphenol	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Naphthalene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
2-Nitroaniline	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
3-Nitroaniline	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
4-Nitroaniline	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Nitrobenzene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
2-Nitrophenol	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
4-Nitrophenol	U		10.0	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
N-Nitrosodimethylamine	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
N-Nitrosodiphenylamine	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Pentachlorophenol	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Phenanthrene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
Phenol	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-09

Station ID: HW61

Sample Matrix: Drinking Water

Collected: 03/06/2012

Pyrene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
2,4,5-Trichlorophenol	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201
2,4,6-Trichlorophenol	U		5.00	ug/L	1	03/08/12	03/10/12 00:37	R3QA201

Surrogates

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-09

Station ID: HW61

Sample Matrix: Drinking Water

Collected: 03/06/2012

Surrogate: 2-Fluorophenol	35.1	70 %	ug/L	21-110	03/08/12	03/10/12 00:37	R3QA201
Surrogate: Phenol-d5	40.7	81 %	ug/L	10-110	03/08/12	03/10/12 00:37	R3QA201
Surrogate: Nitrobenzene-d5	20.1	81 %	ug/L	35-114	03/08/12	03/10/12 00:37	R3QA201
Surrogate: 2-Fluorobiphenyl	19.6	78 %	ug/L	43-116	03/08/12	03/10/12 00:37	R3QA201
Surrogate: 2,4,6-Tribromophenol	47.2	94 %	ug/L	10-123	03/08/12	03/10/12 00:37	R3QA201
Surrogate: Terphenyl-d14	20.9	84 %	ug/L	33-141	03/08/12	03/10/12 00:37	R3QA201



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701 Mapes Road
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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-11

Station ID: FB21

Sample Matrix: Water

Collected: 03/08/2012

Acenaphthene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Acenaphthylene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Acetophenone	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Anthracene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Atrazine	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Benzaldehyde	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Benzo(a)anthracene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Benzo(a)pyrene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Benzo(b)fluoranthene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Benzo(ghi)perylene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Benzo(k)fluoranthene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
1,1-Biphenyl	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Bis(2-chloroethyl)ether	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Bis(2-ethylhexyl)phthalate	0.173	B, J	5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
4-Bromophenyl phenyl ether	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Butyl benzyl phthalate	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Carbazole	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Caprolactam	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
4-Chloroaniline	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
4-Chloro-3-methylphenol	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
2-Chloronaphthalene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
2-Chlorophenol	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Chrysene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Dibenz(a,h)anthracene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Dibenzofuran	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
3,3'-Dichlorobenzidine	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Diethyl phthalate	0.023	B, J	5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
2,4-Dichlorophenol	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
2,4-Dimethylphenol	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-11

Station ID: FB21

Sample Matrix: Water

Collected: 03/08/2012

Dimethyl phthalate	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
2,4-Dinitrophenol	U	UJ	40.0	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Di-n-butyl phthalate	0.679	B, J	5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	10.0	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
2,4-Dinitrotoluene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
2,6-Dinitrotoluene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Di-n-octyl phthalate	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Fluoranthene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Fluorene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Hexachlorobenzene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Hexachlorobutadiene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Hexachlorocyclopentadiene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Hexachloroethane	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Isophorone	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
2-Methylnaphthalene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
2-Methylphenol	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
4-Methylphenol	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Naphthalene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
2-Nitroaniline	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
3-Nitroaniline	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
4-Nitroaniline	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Nitrobenzene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
2-Nitrophenol	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
4-Nitrophenol	U		10.0	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
N-Nitrosodimethylamine	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
N-Nitrosodiphenylamine	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Pentachlorophenol	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Phenanthrene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Phenol	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
Pyrene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-11**Station ID:** FB21**Sample Matrix:** Water**Collected:** 03/08/2012

1,2,4,5-Tetrachlorobenzene	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
2,4,5-Trichlorophenol	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201
2,4,6-Trichlorophenol	U		5.00	ug/L	1	03/12/12	03/15/12 21:10	R3QA201

Surrogates

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-11**Station ID:** FB21**Sample Matrix:** Water**Collected:** 03/08/2012

Surrogate: 2-Fluorophenol	38.7	77 %	ug/L	21-110	03/12/12	03/15/12 21:10	R3QA201
Surrogate: Phenol-d5	42.0	84 %	ug/L	10-110	03/12/12	03/15/12 21:10	R3QA201
Surrogate: Nitrobenzene-d5	23.1	92 %	ug/L	35-114	03/12/12	03/15/12 21:10	R3QA201
Surrogate: 2-Fluorobiphenyl	21.3	85 %	ug/L	43-116	03/12/12	03/15/12 21:10	R3QA201
Surrogate: 2,4,6-Tribromophenol	42.5	85 %	ug/L	10-123	03/12/12	03/15/12 21:10	R3QA201
Surrogate: Terphenyl-d14	20.8	83 %	ug/L	33-141	03/12/12	03/15/12 21:10	R3QA201



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701 Mapes Road
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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-12

Station ID: HW50

Sample Matrix: Drinking Water

Collected: 03/08/2012

Acenaphthene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Acenaphthylene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Acetophenone	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Anthracene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Atrazine	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Benzaldehyde	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Benzo(a)anthracene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Benzo(a)pyrene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Benzo(b)fluoranthene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Benzo(ghi)perylene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Benzo(k)fluoranthene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
1,1-Biphenyl	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Bis(2-chloroethyl)ether	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Bis(2-ethylhexyl)phthalate	0.229	B, J	5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
4-Bromophenyl phenyl ether	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Butyl benzyl phthalate	0.028	J	5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Carbazole	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Caprolactam	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
4-Chloroaniline	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
4-Chloro-3-methylphenol	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
2-Chloronaphthalene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
2-Chlorophenol	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Chrysene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Dibenz(a,h)anthracene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Dibenzofuran	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
3,3'-Dichlorobenzidine	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Diethyl phthalate	0.039	B, J	5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
2,4-Dichlorophenol	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
2,4-Dimethylphenol	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201

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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-12

Station ID: HW50

Sample Matrix: Drinking Water

Collected: 03/08/2012

Dimethyl phthalate	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
2,4-Dinitrophenol	U	UJ	40.0	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Di-n-butyl phthalate	0.781	B, J	5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	10.0	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
2,4-Dinitrotoluene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
2,6-Dinitrotoluene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Di-n-octyl phthalate	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Fluoranthene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Fluorene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Hexachlorobenzene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Hexachlorobutadiene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Hexachlorocyclopentadiene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Hexachloroethane	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Isophorone	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
2-Methylnaphthalene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
2-Methylphenol	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
4-Methylphenol	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Naphthalene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
2-Nitroaniline	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
3-Nitroaniline	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
4-Nitroaniline	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Nitrobenzene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
2-Nitrophenol	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
4-Nitrophenol	U		10.0	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
N-Nitrosodimethylamine	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
N-Nitrosodiphenylamine	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Pentachlorophenol	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Phenanthrene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Phenol	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
Pyrene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201



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701 Mapes Road
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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Semivolatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-12**Station ID:** HW50**Sample Matrix:** Drinking Water**Collected:** 03/08/2012

1,2,4,5-Tetrachlorobenzene	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
2,4,5-Trichlorophenol	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201
2,4,6-Trichlorophenol	U		5.00	ug/L	1	03/12/12	03/15/12 22:00	R3QA201

Surrogates

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-12**Station ID:** HW50**Sample Matrix:** Drinking Water**Collected:** 03/08/2012

Surrogate: 2-Fluorophenol	31.8	64 %	ug/L	21-110	03/12/12	03/15/12 22:00	R3QA201
Surrogate: Phenol-d5	36.5	73 %	ug/L	10-110	03/12/12	03/15/12 22:00	R3QA201
Surrogate: Nitrobenzene-d5	22.0	88 %	ug/L	35-114	03/12/12	03/15/12 22:00	R3QA201
Surrogate: 2-Fluorobiphenyl	20.7	83 %	ug/L	43-116	03/12/12	03/15/12 22:00	R3QA201
Surrogate: 2,4,6-Tribromophenol	40.6	81 %	ug/L	10-123	03/12/12	03/15/12 22:00	R3QA201
Surrogate: Terphenyl-d14	20.2	81 %	ug/L	33-141	03/12/12	03/15/12 22:00	R3QA201



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Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-01

Station ID: FB19

Sample Matrix: Water

Collected: 03/05/2012

Acetone	2.8		2.0	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Benzene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Bromobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Bromoform	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Bromochloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Bromodichloromethane	1.7		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Bromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
2-Butanone	U		2.0	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
n-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Carbon disulfide	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Chlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Chlorodibromomethane	0.2	J	0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Chloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Chloroform	9.6		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Chloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Cyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Dibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210

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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-01

Station ID: FB19

Sample Matrix: Water

Collected: 03/05/2012

trans-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Ethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Freon 113	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
2-Hexanone	U		2.0	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Isopropylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Methyl Acetate	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Methylcyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Methylene Chloride	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Naphthalene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
n-Propylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Styrene	U		1.0	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Tetrachloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Toluene	0.3	J	0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Trichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-01**Station ID:** FB19**Sample Matrix:** Water**Collected:** 03/05/2012

1,2,4-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Vinyl acetate	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Vinyl chloride	U		0.5	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210
o-Xylene	0.1	J	1.0	ug/L	1	03/12/12	03/12/12 16:52	CLP trace/R3QA210

Surrogates

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-01**Station ID:** FB19**Sample Matrix:** Water**Collected:** 03/05/2012

Surrogate: 4-Bromofluorobenzene	3.860	96 %	ug/L	86-115	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	3.880	97 %	ug/L	76-114	03/12/12	03/12/12 16:52	CLP trace/R3QA210
Surrogate: Toluene-d8	4.050	101 %	ug/L	88-110	03/12/12	03/12/12 16:52	CLP trace/R3QA210



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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-02

Station ID: HW60

Sample Matrix: Drinking Water

Collected: 03/05/2012

Acetone	U		2.0	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Benzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Bromobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Bromochloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Bromodichloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Bromoform	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Bromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
2-Butanone	U		2.0	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
n-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Carbon disulfide	0.09	J	0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Chlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Chlorethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Chloroform	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Chloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Cyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Dibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-02

Station ID: HW60

Sample Matrix: Drinking Water

Collected: 03/05/2012

trans-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Ethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Freon 113	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
2-Hexanone	U		2.0	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Isopropylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Methyl Acetate	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Methylcyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Methylene Chloride	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Naphthalene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
n-Propylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Styrene	U		1.0	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Tetrachloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Toluene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Trichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210

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Region 3 Environmental Science Center
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701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-02

Station ID: HW60

Sample Matrix: Drinking Water

Collected: 03/05/2012

1,3,5-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Vinyl acetate	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Vinyl chloride	U		0.5	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210
o-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 17:19	CLP trace/R3QA210

Surrogates

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-02

Station ID: HW60

Sample Matrix: Drinking Water

Collected: 03/05/2012

Surrogate: 4-Bromofluorobenzene	3.800	95 %	ug/L	86-115	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	3.850	96 %	ug/L	76-114	03/12/12	03/12/12 17:19	CLP trace/R3QA210
Surrogate: Toluene-d8	3.980	100 %	ug/L	88-110	03/12/12	03/12/12 17:19	CLP trace/R3QA210



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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-03

Station ID: TB49

Sample Matrix: Water

Collected: 03/05/2012

Acetone	0.4	J	2.0	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Benzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Bromobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Bromochloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Bromodichloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Bromoform	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Bromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
2-Butanone	U		2.0	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
n-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Carbon disulfide	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Chlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Chlorethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Chloroform	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Chloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Cyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Dibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210

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701 Mapes Road
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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-03

Station ID: TB49

Sample Matrix: Water

Collected: 03/05/2012

trans-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Ethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Freon 113	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
2-Hexanone	U		2.0	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Isopropylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Methyl Acetate	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Methylcyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Methylene Chloride	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Naphthalene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
n-Propylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Styrene	U		1.0	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Tetrachloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Toluene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Trichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-03

Station ID: TB49

Sample Matrix: Water

Collected: 03/05/2012

1,3,5-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Vinyl acetate	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Vinyl chloride	U		0.5	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210
o-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 17:46	CLP trace/R3QA210

Surrogates

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-03

Station ID: TB49

Sample Matrix: Water

Collected: 03/05/2012

Surrogate: 4-Bromofluorobenzene	3.870	97 %	ug/L	86-115	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.110	103 %	ug/L	76-114	03/12/12	03/12/12 17:46	CLP trace/R3QA210
Surrogate: Toluene-d8	4.010	100 %	ug/L	88-110	03/12/12	03/12/12 17:46	CLP trace/R3QA210



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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-04

Station ID: HW56

Sample Matrix: Drinking Water

Collected: 03/05/2012

Acetone	U		2.0	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Benzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Bromobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Bromochloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Bromodichloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Bromoform	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Bromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
2-Butanone	U		2.0	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
n-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Carbon disulfide	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Chlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Chloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Chloroform	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Chloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Cyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Dibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210

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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-04

Station ID: HW56

Sample Matrix: Drinking Water

Collected: 03/05/2012

1,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Ethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Freon 113	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
2-Hexanone	U		2.0	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Isopropylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Methyl Acetate	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Methylcyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Methylene Chloride	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Naphthalene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
n-Propylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Styrene	U		1.0	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Tetrachloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Toluene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Trichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210

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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-04**Station ID:** HW56**Sample Matrix:** Drinking Water**Collected:** 03/05/2012

Vinyl acetate	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Vinyl chloride	U		0.5	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210
o-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 18:13	CLP trace/R3QA210

Surrogates

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-04**Station ID:** HW56**Sample Matrix:** Drinking Water**Collected:** 03/05/2012

Surrogate: 4-Bromofluorobenzene	3.900	98 %	ug/L	86-115	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.180	104 %	ug/L	76-114	03/12/12	03/12/12 18:13	CLP trace/R3QA210
Surrogate: Toluene-d8	4.020	100 %	ug/L	88-110	03/12/12	03/12/12 18:13	CLP trace/R3QA210



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701 Mapes Road
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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-05

Station ID: TB50

Sample Matrix: Water

Collected: 03/05/2012

Acetone	0.3	J	2.0	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Benzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Bromobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Bromochloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Bromodichloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Bromoform	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Bromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
2-Butanone	U		2.0	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
n-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Carbon disulfide	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Chlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Chlorethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Chloroform	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Chloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Cyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Dibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210

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701 Mapes Road
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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-05

Station ID: TB50

Sample Matrix: Water

Collected: 03/05/2012

trans-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Ethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Freon 113	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
2-Hexanone	U		2.0	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Isopropylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Methyl Acetate	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Methylcyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Methylene Chloride	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Naphthalene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
n-Propylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Styrene	U		1.0	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Tetrachloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Toluene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Trichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-05

Station ID: TB50

Sample Matrix: Water

Collected: 03/05/2012

1,3,5-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Vinyl acetate	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Vinyl chloride	U		0.5	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210
o-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 18:40	CLP trace/R3QA210

Surrogates

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-05

Station ID: TB50

Sample Matrix: Water

Collected: 03/05/2012

Surrogate: 4-Bromofluorobenzene	3.850	96 %	ug/L	86-115	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.220	106 %	ug/L	76-114	03/12/12	03/12/12 18:40	CLP trace/R3QA210
Surrogate: Toluene-d8	3.960	99 %	ug/L	88-110	03/12/12	03/12/12 18:40	CLP trace/R3QA210



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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-06

Station ID: FB20

Sample Matrix: Water

Collected: 03/06/2012

Acetone	2.1		2.0	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Benzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Bromobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Bromoform	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Bromochloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Bromodichloromethane	1.6		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Bromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
2-Butanone	U		2.0	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
n-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Carbon disulfide	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Chlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Chlorodibromomethane	0.2	J	0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Chloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Chloroform	9.0		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Chloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Cyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Dibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210

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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-06

Station ID: FB20

Sample Matrix: Water

Collected: 03/06/2012

trans-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Ethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Freon 113	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
2-Hexanone	U		2.0	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Isopropylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Methyl Acetate	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Methylcyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Methylene Chloride	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Naphthalene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
n-Propylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Styrene	U		1.0	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Tetrachloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Toluene	0.3	J	0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Trichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210

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701 Mapes Road
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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-06**Station ID:** FB20**Sample Matrix:** Water**Collected:** 03/06/2012

1,2,4-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Vinyl acetate	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Vinyl chloride	U		0.5	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210
o-Xylene	0.1	J	1.0	ug/L	1	03/12/12	03/12/12 19:07	CLP trace/R3QA210

Surrogates

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-06**Station ID:** FB20**Sample Matrix:** Water**Collected:** 03/06/2012

Surrogate: 4-Bromofluorobenzene	3.930	98 %	ug/L	86-115	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.130	103 %	ug/L	76-114	03/12/12	03/12/12 19:07	CLP trace/R3QA210
Surrogate: Toluene-d8	4.030	101 %	ug/L	88-110	03/12/12	03/12/12 19:07	CLP trace/R3QA210



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701 Mapes Road
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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-07

Station ID: HW61-P

Sample Matrix: Drinking Water

Collected: 03/06/2012

Acetone	0.4	B, J	2.0	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Benzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Bromobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Bromochloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Bromodichloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Bromoform	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Bromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
2-Butanone	U		2.0	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
n-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Carbon disulfide	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Chlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Chlorethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Chloroform	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Chloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Cyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Dibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210

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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-07

Station ID: HW61-P

Sample Matrix: Drinking Water

Collected: 03/06/2012

trans-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Ethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Freon 113	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
2-Hexanone	U		2.0	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Isopropylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Methyl Acetate	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Methylcyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Methylene Chloride	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Naphthalene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
n-Propylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Styrene	U		1.0	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Tetrachloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Toluene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Trichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210

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701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-07

Station ID: HW61-P

Sample Matrix: Drinking Water

Collected: 03/06/2012

1,3,5-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Vinyl acetate	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Vinyl chloride	U		0.5	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210
o-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 19:35	CLP trace/R3QA210

Surrogates

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-07

Station ID: HW61-P

Sample Matrix: Drinking Water

Collected: 03/06/2012

Surrogate: 4-Bromofluorobenzene	3.980	100 %	ug/L	86-115	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.210	105 %	ug/L	76-114	03/12/12	03/12/12 19:35	CLP trace/R3QA210
Surrogate: Toluene-d8	3.960	99 %	ug/L	88-110	03/12/12	03/12/12 19:35	CLP trace/R3QA210



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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-08

Station ID: HW61z

Sample Matrix: Drinking Water

Collected: 03/06/2012

Acetone	0.3	B, J	2.0	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Benzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Bromobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Bromochloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Bromodichloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Bromoform	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Bromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
2-Butanone	U		2.0	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
n-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Carbon disulfide	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Chlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Chlorethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Chloroform	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Chloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Cyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Dibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210

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Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-08

Station ID: HW61z

Sample Matrix: Drinking Water

Collected: 03/06/2012

trans-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Ethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Freon 113	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
2-Hexanone	U		2.0	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Isopropylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Methyl Acetate	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Methylcyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Methylene Chloride	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Naphthalene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
n-Propylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Styrene	U		1.0	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Tetrachloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Toluene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Trichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210

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Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-08

Station ID: HW61z

Sample Matrix: Drinking Water

Collected: 03/06/2012

1,3,5-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Vinyl acetate	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Vinyl chloride	U		0.5	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210
o-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 20:03	CLP trace/R3QA210

Surrogates

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-08

Station ID: HW61z

Sample Matrix: Drinking Water

Collected: 03/06/2012

Surrogate: 4-Bromofluorobenzene	3.960	99 %	ug/L	86-115	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.300	108 %	ug/L	76-114	03/12/12	03/12/12 20:03	CLP trace/R3QA210
Surrogate: Toluene-d8	4.090	102 %	ug/L	88-110	03/12/12	03/12/12 20:03	CLP trace/R3QA210



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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-09

Station ID: HW61

Sample Matrix: Drinking Water

Collected: 03/06/2012

Acetone	U		2.0	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Benzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Bromobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Bromochloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Bromodichloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Bromoform	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Bromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
2-Butanone	U		2.0	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
n-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Carbon disulfide	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Chlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Chloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Chloroform	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Chloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Cyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Dibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210

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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-09

Station ID: HW61

Sample Matrix: Drinking Water

Collected: 03/06/2012

1,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Ethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Freon 113	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
2-Hexanone	U		2.0	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Isopropylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Methyl Acetate	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Methylcyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Methylene Chloride	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Naphthalene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
n-Propylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Styrene	U		1.0	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Tetrachloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Toluene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Trichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-09

Station ID: HW61

Sample Matrix: Drinking Water

Collected: 03/06/2012

Vinyl acetate	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Vinyl chloride	U		0.5	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210
o-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 20:32	CLP trace/R3QA210

Surrogates

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-09

Station ID: HW61

Sample Matrix: Drinking Water

Collected: 03/06/2012

Surrogate: 4-Bromofluorobenzene	4.020	100 %	ug/L	86-115	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.220	106 %	ug/L	76-114	03/12/12	03/12/12 20:32	CLP trace/R3QA210
Surrogate: Toluene-d8	4.010	100 %	ug/L	88-110	03/12/12	03/12/12 20:32	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-10

Station ID: TB51

Sample Matrix: Water

Collected: 03/06/2012

Acetone	0.7	J	2.0	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Benzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Bromobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Bromochloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Bromodichloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Bromoform	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Bromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
2-Butanone	U		2.0	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
n-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Carbon disulfide	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Chlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Chlorethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Chloroform	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Chloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Cyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Dibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210

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701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-10

Station ID: TB51

Sample Matrix: Water

Collected: 03/06/2012

trans-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Ethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Freon 113	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
2-Hexanone	U		2.0	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Isopropylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Methyl Acetate	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Methylcyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Methylene Chloride	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Naphthalene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
n-Propylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Styrene	U		1.0	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Tetrachloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Toluene	0.08	J	0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Trichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210

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701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-10**Station ID:** TB51**Sample Matrix:** Water**Collected:** 03/06/2012

1,2,4-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Vinyl acetate	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Vinyl chloride	U		0.5	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210
o-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 21:01	CLP trace/R3QA210

Surrogates

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-10**Station ID:** TB51**Sample Matrix:** Water**Collected:** 03/06/2012

Surrogate: 4-Bromofluorobenzene	3.800	95 %	ug/L	86-115	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.290	107 %	ug/L	76-114	03/12/12	03/12/12 21:01	CLP trace/R3QA210
Surrogate: Toluene-d8	4.050	101 %	ug/L	88-110	03/12/12	03/12/12 21:01	CLP trace/R3QA210



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701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-11

Station ID: FB21

Sample Matrix: Water

Collected: 03/08/2012

Acetone	0.6	J	2.0	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Benzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Bromobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Bromochloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Bromodichloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Bromoform	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Bromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
2-Butanone	U		2.0	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
n-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Carbon disulfide	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Chlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Chlorethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Chloroform	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Chloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Cyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Dibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210

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Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-11

Station ID: FB21

Sample Matrix: Water

Collected: 03/08/2012

trans-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Ethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Freon 113	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
2-Hexanone	U		2.0	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Isopropylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Methyl Acetate	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Methylcyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Methylene Chloride	0.2	J	0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Naphthalene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
n-Propylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Styrene	U		1.0	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Tetrachloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Toluene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Trichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210

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701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-11**Station ID:** FB21**Sample Matrix:** Water**Collected:** 03/08/2012

1,2,4-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Vinyl acetate	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Vinyl chloride	U		0.5	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210
o-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 21:29	CLP trace/R3QA210

Surrogates

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-11**Station ID:** FB21**Sample Matrix:** Water**Collected:** 03/08/2012

Surrogate: 4-Bromofluorobenzene	3.860	96 %	ug/L	86-115	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.280	107 %	ug/L	76-114	03/12/12	03/12/12 21:29	CLP trace/R3QA210
Surrogate: Toluene-d8	4.020	100 %	ug/L	88-110	03/12/12	03/12/12 21:29	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-12

Station ID: HW50

Sample Matrix: Drinking Water

Collected: 03/08/2012

Acetone	0.3	B, J	2.0	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Benzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Bromobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Bromochloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Bromodichloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Bromoform	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Bromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
2-Butanone	U		2.0	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
n-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Carbon disulfide	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Chlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Chlorethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Chloroform	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Chloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Cyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Dibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210

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Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-12

Station ID: HW50

Sample Matrix: Drinking Water

Collected: 03/08/2012

trans-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Ethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Freon 113	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
2-Hexanone	U		2.0	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Isopropylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Methyl Acetate	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Methylcyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Methylene Chloride	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Naphthalene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
n-Propylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Styrene	U		1.0	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Tetrachloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Toluene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Trichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210

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Office of Analytical Services and Quality Assurance
701 Mapes Road
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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-12

Station ID: HW50

Sample Matrix: Drinking Water

Collected: 03/08/2012

1,3,5-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Vinyl acetate	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Vinyl chloride	U		0.5	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210
o-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 21:57	CLP trace/R3QA210

Surrogates

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-12

Station ID: HW50

Sample Matrix: Drinking Water

Collected: 03/08/2012

Surrogate: 4-Bromofluorobenzene	3.960	99 %	ug/L	86-115	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.210	105 %	ug/L	76-114	03/12/12	03/12/12 21:57	CLP trace/R3QA210
Surrogate: Toluene-d8	4.060	102 %	ug/L	88-110	03/12/12	03/12/12 21:57	CLP trace/R3QA210



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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-13

Station ID: TB52

Sample Matrix: Water

Collected: 03/08/2012

Acetone	0.4	J	2.0	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Benzene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Bromobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Bromochloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Bromodichloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Bromoform	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Bromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
2-Butanone	U		2.0	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
n-Butylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Carbon disulfide	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Chlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Chlorethane	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Chloroform	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Chloromethane	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Cyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Dibromomethane	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-13

Station ID: TB52

Sample Matrix: Water

Collected: 03/08/2012

trans-1,2-Dichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Ethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Freon 113	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
2-Hexanone	U		2.0	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Isopropylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Methyl Acetate	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Methylcyclohexane	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Methylene Chloride	0.2	J	0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Naphthalene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
n-Propylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Styrene	U		1.0	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Tetrachloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Toluene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Trichloroethene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Volatile Organic Compounds

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-13**Station ID:** TB52**Sample Matrix:** Water**Collected:** 03/08/2012

1,2,4-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Vinyl acetate	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Vinyl chloride	U		0.5	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210
o-Xylene	U		1.0	ug/L	1	03/12/12	03/12/12 22:26	CLP trace/R3QA210

Surrogates

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
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Lab ID: 1203001-13**Station ID:** TB52**Sample Matrix:** Water**Collected:** 03/08/2012

Surrogate: 4-Bromofluorobenzene	3.870	97 %	ug/L	86-115	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.160	104 %	ug/L	76-114	03/12/12	03/12/12 22:26	CLP trace/R3QA210
Surrogate: Toluene-d8	4.060	102 %	ug/L	88-110	03/12/12	03/12/12 22:26	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Total Metals

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1203001-01							
Station ID:	FB19							
Sample Matrix:	Water							
Collected:	03/05/2012							
Aluminum	U		30.0	ug/L	2.5	03/12/12	03/14/12 13:00	EPA 200.8/R3QA116
Antimony	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:00	EPA 200.8/R3QA116
Arsenic	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:00	EPA 200.8/R3QA116
Barium	U		10.0	ug/L	2.5	03/12/12	03/14/12 13:00	EPA 200.8/R3QA116
Beryllium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:00	EPA 200.8/R3QA116
Boron	U		50.0	ug/L	1	03/12/12	03/13/12 10:23	EPA 200.7/R3QA159
Cadmium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:00	EPA 200.8/R3QA116
Calcium	U		500	ug/L	1	03/12/12	03/13/12 10:23	EPA 200.7/R3QA159
Chromium	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:00	EPA 200.8/R3QA116
Cobalt	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:00	EPA 200.8/R3QA116
Copper	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:00	EPA 200.8/R3QA116
Iron	U		100	ug/L	1	03/12/12	03/13/12 10:23	EPA 200.7/R3QA159
Lead	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:00	EPA 200.8/R3QA116
Lithium	U		200	ug/L	1	03/12/12	03/13/12 10:23	EPA 200.7/R3QA159
Magnesium	U		500	ug/L	1	03/12/12	03/13/12 10:23	EPA 200.7/R3QA159
Manganese	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:00	EPA 200.8/R3QA116
Nickel	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:00	EPA 200.8/R3QA116
Potassium	U		2000	ug/L	1	03/12/12	03/13/12 10:23	EPA 200.7/R3QA159
Selenium	U		5.0	ug/L	2.5	03/12/12	03/14/12 13:00	EPA 200.8/R3QA116
Silver	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:00	EPA 200.8/R3QA116
Sodium	U		1000	ug/L	1	03/12/12	03/13/12 10:23	EPA 200.7/R3QA159
Strontium	U		200	ug/L	1	03/12/12	03/13/12 10:23	EPA 200.7/R3QA159
Thallium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:00	EPA 200.8/R3QA116
Tin	U		200	ug/L	1	03/12/12	03/13/12 10:23	EPA 200.7/R3QA159
Titanium	U		200	ug/L	1	03/12/12	03/13/12 10:23	EPA 200.7/R3QA159
Uranium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:00	EPA 200.8/R3QA116
Vanadium	U		5.0	ug/L	2.5	03/12/12	03/14/12 13:00	EPA 200.8/R3QA116
Zinc	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:00	EPA 200.8/R3QA116



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Total Metals

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1203001-02							
Station ID:	HW60							
Sample Matrix:	Drinking Water							
Collected:	03/05/2012							
Aluminum	U		30.0	ug/L	2.5	03/12/12	03/14/12 13:10	EPA 200.8/R3QA116
Antimony	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:10	EPA 200.8/R3QA116
Arsenic	9.3		1.0	ug/L	2.5	03/12/12	03/14/12 13:10	EPA 200.8/R3QA116
Barium	1650		200	ug/L	1	03/12/12	03/13/12 10:27	EPA 200.7/R3QA159
Beryllium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:10	EPA 200.8/R3QA116
Boron	U		50.0	ug/L	1	03/12/12	03/13/12 10:27	EPA 200.7/R3QA159
Cadmium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:10	EPA 200.8/R3QA116
Calcium	29800		500	ug/L	1	03/12/12	03/13/12 10:27	EPA 200.7/R3QA159
Chromium	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:10	EPA 200.8/R3QA116
Cobalt	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:10	EPA 200.8/R3QA116
Copper	3.0		2.0	ug/L	2.5	03/12/12	03/14/12 13:10	EPA 200.8/R3QA116
Iron	754		100	ug/L	1	03/12/12	03/13/12 10:27	EPA 200.7/R3QA159
Lead	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:10	EPA 200.8/R3QA116
Lithium	47.7		25.0	ug/L	1	03/12/12	03/13/12 10:27	EPA 200.7/R3QA159
Magnesium	7490		500	ug/L	1	03/12/12	03/13/12 10:27	EPA 200.7/R3QA159
Manganese	217		1.0	ug/L	2.5	03/12/12	03/14/12 13:10	EPA 200.8/R3QA116
Nickel	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:10	EPA 200.8/R3QA116
Potassium	U		2000	ug/L	1	03/12/12	03/13/12 10:27	EPA 200.7/R3QA159
Selenium	U		5.0	ug/L	2.5	03/12/12	03/14/12 13:10	EPA 200.8/R3QA116
Silver	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:10	EPA 200.8/R3QA116
Sodium	20300		1000	ug/L	1	03/12/12	03/13/12 10:27	EPA 200.7/R3QA159
Strontium	865		200	ug/L	1	03/12/12	03/13/12 10:27	EPA 200.7/R3QA159
Thallium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:10	EPA 200.8/R3QA116
Tin	U		200	ug/L	1	03/12/12	03/13/12 10:27	EPA 200.7/R3QA159
Titanium	U		200	ug/L	1	03/12/12	03/13/12 10:27	EPA 200.7/R3QA159
Uranium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:10	EPA 200.8/R3QA116
Vanadium	U		5.0	ug/L	2.5	03/12/12	03/14/12 13:10	EPA 200.8/R3QA116
Zinc	2.6		2.0	ug/L	2.5	03/12/12	03/14/12 13:10	EPA 200.8/R3QA116



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Total Metals

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1203001-04							
Station ID:	HW56							
Sample Matrix:	Drinking Water							
Collected:	03/05/2012							
Aluminum	U		30.0	ug/L	2.5	03/12/12	03/14/12 13:21	EPA 200.8/R3QA116
Antimony	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:21	EPA 200.8/R3QA116
Arsenic	1.5		1.0	ug/L	2.5	03/12/12	03/14/12 13:21	EPA 200.8/R3QA116
Barium	531		200	ug/L	1	03/12/12	03/13/12 10:38	EPA 200.7/R3QA159
Beryllium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:21	EPA 200.8/R3QA116
Boron	U		50.0	ug/L	1	03/12/12	03/13/12 10:38	EPA 200.7/R3QA159
Cadmium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:21	EPA 200.8/R3QA116
Calcium	22600		500	ug/L	1	03/12/12	03/13/12 10:38	EPA 200.7/R3QA159
Chromium	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:21	EPA 200.8/R3QA116
Cobalt	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:21	EPA 200.8/R3QA116
Copper	2.4		2.0	ug/L	2.5	03/12/12	03/14/12 13:21	EPA 200.8/R3QA116
Iron	171		100	ug/L	1	03/12/12	03/13/12 10:38	EPA 200.7/R3QA159
Lead	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:21	EPA 200.8/R3QA116
Lithium	30.5		25.0	ug/L	1	03/12/12	03/13/12 10:38	EPA 200.7/R3QA159
Magnesium	3550		500	ug/L	1	03/12/12	03/13/12 10:38	EPA 200.7/R3QA159
Manganese	90.7		1.0	ug/L	2.5	03/12/12	03/14/12 13:21	EPA 200.8/R3QA116
Nickel	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:21	EPA 200.8/R3QA116
Potassium	U		2000	ug/L	1	03/12/12	03/13/12 10:38	EPA 200.7/R3QA159
Selenium	U		5.0	ug/L	2.5	03/12/12	03/14/12 13:21	EPA 200.8/R3QA116
Silver	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:21	EPA 200.8/R3QA116
Sodium	10600		1000	ug/L	1	03/12/12	03/13/12 10:38	EPA 200.7/R3QA159
Strontium	369		200	ug/L	1	03/12/12	03/13/12 10:38	EPA 200.7/R3QA159
Thallium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:21	EPA 200.8/R3QA116
Tin	U		200	ug/L	1	03/12/12	03/13/12 10:38	EPA 200.7/R3QA159
Titanium	U		200	ug/L	1	03/12/12	03/13/12 10:38	EPA 200.7/R3QA159
Uranium	1.0		1.0	ug/L	2.5	03/12/12	03/14/12 13:21	EPA 200.8/R3QA116
Vanadium	U		5.0	ug/L	2.5	03/12/12	03/14/12 13:21	EPA 200.8/R3QA116
Zinc	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:21	EPA 200.8/R3QA116



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Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Total Metals

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1203001-06							
Station ID:	FB20							
Sample Matrix:	Water							
Collected:	03/06/2012							
Aluminum	U		30.0	ug/L	2.5	03/12/12	03/14/12 13:26	EPA 200.8/R3QA116
Antimony	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:26	EPA 200.8/R3QA116
Arsenic	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:26	EPA 200.8/R3QA116
Barium	U		10.0	ug/L	2.5	03/12/12	03/14/12 13:26	EPA 200.8/R3QA116
Beryllium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:26	EPA 200.8/R3QA116
Boron	U		50.0	ug/L	1	03/12/12	03/13/12 10:41	EPA 200.7/R3QA159
Cadmium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:26	EPA 200.8/R3QA116
Calcium	U		500	ug/L	1	03/12/12	03/13/12 10:41	EPA 200.7/R3QA159
Chromium	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:26	EPA 200.8/R3QA116
Cobalt	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:26	EPA 200.8/R3QA116
Copper	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:26	EPA 200.8/R3QA116
Iron	U		100	ug/L	1	03/12/12	03/13/12 10:41	EPA 200.7/R3QA159
Lead	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:26	EPA 200.8/R3QA116
Lithium	U		25.0	ug/L	1	03/12/12	03/13/12 10:41	EPA 200.7/R3QA159
Magnesium	U		500	ug/L	1	03/12/12	03/13/12 10:41	EPA 200.7/R3QA159
Manganese	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:26	EPA 200.8/R3QA116
Nickel	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:26	EPA 200.8/R3QA116
Potassium	U		2000	ug/L	1	03/12/12	03/13/12 10:41	EPA 200.7/R3QA159
Selenium	U		5.0	ug/L	2.5	03/12/12	03/14/12 13:26	EPA 200.8/R3QA116
Silver	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:26	EPA 200.8/R3QA116
Sodium	U		1000	ug/L	1	03/12/12	03/13/12 10:41	EPA 200.7/R3QA159
Strontium	U		200	ug/L	1	03/12/12	03/13/12 10:41	EPA 200.7/R3QA159
Thallium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:26	EPA 200.8/R3QA116
Tin	U		200	ug/L	1	03/12/12	03/13/12 10:41	EPA 200.7/R3QA159
Titanium	U		200	ug/L	1	03/12/12	03/13/12 10:41	EPA 200.7/R3QA159
Uranium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:26	EPA 200.8/R3QA116
Vanadium	U		5.0	ug/L	2.5	03/12/12	03/14/12 13:26	EPA 200.8/R3QA116
Zinc	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:26	EPA 200.8/R3QA116



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701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Total Metals

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1203001-07							
Station ID:	HW61-P							
Sample Matrix:	Drinking Water							
Collected:	03/06/2012							
Aluminum	U		30.0	ug/L	2.5	03/12/12	03/14/12 13:31	EPA 200.8/R3QA116
Antimony	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:31	EPA 200.8/R3QA116
Arsenic	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:31	EPA 200.8/R3QA116
Barium	73.1		10.0	ug/L	2.5	03/12/12	03/14/12 13:31	EPA 200.8/R3QA116
Beryllium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:31	EPA 200.8/R3QA116
Boron	U		50.0	ug/L	1	03/12/12	03/13/12 10:45	EPA 200.7/R3QA159
Cadmium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:31	EPA 200.8/R3QA116
Calcium	32500		500	ug/L	1	03/12/12	03/13/12 10:45	EPA 200.7/R3QA159
Chromium	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:31	EPA 200.8/R3QA116
Cobalt	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:31	EPA 200.8/R3QA116
Copper	46.7		2.0	ug/L	2.5	03/12/12	03/14/12 13:31	EPA 200.8/R3QA116
Iron	U		100	ug/L	1	03/12/12	03/13/12 10:45	EPA 200.7/R3QA159
Lead	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:31	EPA 200.8/R3QA116
Lithium	U		25.0	ug/L	1	03/12/12	03/13/12 10:45	EPA 200.7/R3QA159
Magnesium	6990		500	ug/L	1	03/12/12	03/13/12 10:45	EPA 200.7/R3QA159
Manganese	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:31	EPA 200.8/R3QA116
Nickel	1.1		1.0	ug/L	2.5	03/12/12	03/14/12 13:31	EPA 200.8/R3QA116
Potassium	U		2000	ug/L	1	03/12/12	03/13/12 10:45	EPA 200.7/R3QA159
Selenium	U		5.0	ug/L	2.5	03/12/12	03/14/12 13:31	EPA 200.8/R3QA116
Silver	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:31	EPA 200.8/R3QA116
Sodium	16800		1000	ug/L	1	03/12/12	03/13/12 10:45	EPA 200.7/R3QA159
Strontium	U		200	ug/L	1	03/12/12	03/13/12 10:45	EPA 200.7/R3QA159
Thallium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:31	EPA 200.8/R3QA116
Tin	U		200	ug/L	1	03/12/12	03/13/12 10:45	EPA 200.7/R3QA159
Titanium	U		200	ug/L	1	03/12/12	03/13/12 10:45	EPA 200.7/R3QA159
Uranium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:31	EPA 200.8/R3QA116
Vanadium	U		5.0	ug/L	2.5	03/12/12	03/14/12 13:31	EPA 200.8/R3QA116
Zinc	11.0		2.0	ug/L	2.5	03/12/12	03/14/12 13:31	EPA 200.8/R3QA116



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Total Metals

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1203001-08							
Station ID:	HW61z							
Sample Matrix:	Drinking Water							
Collected:	03/06/2012							
Aluminum	U		30.0	ug/L	2.5	03/12/12	03/14/12 13:36	EPA 200.8/R3QA116
Antimony	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:36	EPA 200.8/R3QA116
Arsenic	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:36	EPA 200.8/R3QA116
Barium	75.1		10.0	ug/L	2.5	03/12/12	03/14/12 13:36	EPA 200.8/R3QA116
Beryllium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:36	EPA 200.8/R3QA116
Boron	U		50.0	ug/L	1	03/12/12	03/13/12 10:56	EPA 200.7/R3QA159
Cadmium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:36	EPA 200.8/R3QA116
Calcium	33000		500	ug/L	1	03/12/12	03/13/12 10:56	EPA 200.7/R3QA159
Chromium	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:36	EPA 200.8/R3QA116
Cobalt	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:36	EPA 200.8/R3QA116
Copper	22.4		2.0	ug/L	2.5	03/12/12	03/14/12 13:36	EPA 200.8/R3QA116
Iron	U		100	ug/L	1	03/12/12	03/13/12 10:56	EPA 200.7/R3QA159
Lead	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:36	EPA 200.8/R3QA116
Lithium	U		25.0	ug/L	1	03/12/12	03/13/12 10:56	EPA 200.7/R3QA159
Magnesium	7200		500	ug/L	1	03/12/12	03/13/12 10:56	EPA 200.7/R3QA159
Manganese	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:36	EPA 200.8/R3QA116
Nickel	1.2		1.0	ug/L	2.5	03/12/12	03/14/12 13:36	EPA 200.8/R3QA116
Potassium	U		2000	ug/L	1	03/12/12	03/13/12 10:56	EPA 200.7/R3QA159
Selenium	U		5.0	ug/L	2.5	03/12/12	03/14/12 13:36	EPA 200.8/R3QA116
Silver	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:36	EPA 200.8/R3QA116
Sodium	16400		1000	ug/L	1	03/12/12	03/13/12 10:56	EPA 200.7/R3QA159
Strontium	U		200	ug/L	1	03/12/12	03/13/12 10:56	EPA 200.7/R3QA159
Thallium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:36	EPA 200.8/R3QA116
Tin	U	UJ	200	ug/L	1	03/12/12	03/13/12 10:56	EPA 200.7/R3QA159
Titanium	U		200	ug/L	1	03/12/12	03/13/12 10:56	EPA 200.7/R3QA159
Uranium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:36	EPA 200.8/R3QA116
Vanadium	U		5.0	ug/L	2.5	03/12/12	03/14/12 13:36	EPA 200.8/R3QA116
Zinc	16.9		2.0	ug/L	2.5	03/12/12	03/14/12 13:36	EPA 200.8/R3QA116



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Total Metals

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1203001-09							
Station ID:	HW61							
Sample Matrix:	Drinking Water							
Collected:	03/06/2012							
Aluminum	U		30.0	ug/L	2.5	03/12/12	03/14/12 13:41	EPA 200.8/R3QA116
Antimony	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:41	EPA 200.8/R3QA116
Arsenic	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:41	EPA 200.8/R3QA116
Barium	68.4		10.0	ug/L	2.5	03/12/12	03/14/12 13:41	EPA 200.8/R3QA116
Beryllium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:41	EPA 200.8/R3QA116
Boron	U		50.0	ug/L	1	03/12/12	03/13/12 11:00	EPA 200.7/R3QA159
Cadmium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:41	EPA 200.8/R3QA116
Calcium	31900		500	ug/L	1	03/12/12	03/13/12 11:00	EPA 200.7/R3QA159
Chromium	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:41	EPA 200.8/R3QA116
Cobalt	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:41	EPA 200.8/R3QA116
Copper	20.5		2.0	ug/L	2.5	03/12/12	03/14/12 13:41	EPA 200.8/R3QA116
Iron	U		100	ug/L	1	03/12/12	03/13/12 11:00	EPA 200.7/R3QA159
Lead	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:41	EPA 200.8/R3QA116
Lithium	U		25.0	ug/L	1	03/12/12	03/13/12 11:00	EPA 200.7/R3QA159
Magnesium	7040		500	ug/L	1	03/12/12	03/13/12 11:00	EPA 200.7/R3QA159
Manganese	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:41	EPA 200.8/R3QA116
Nickel	1.0		1.0	ug/L	2.5	03/12/12	03/14/12 13:41	EPA 200.8/R3QA116
Potassium	U		2000	ug/L	1	03/12/12	03/13/12 11:00	EPA 200.7/R3QA159
Selenium	U		5.0	ug/L	2.5	03/12/12	03/14/12 13:41	EPA 200.8/R3QA116
Silver	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:41	EPA 200.8/R3QA116
Sodium	16100		1000	ug/L	1	03/12/12	03/13/12 11:00	EPA 200.7/R3QA159
Strontium	U		200	ug/L	1	03/12/12	03/13/12 11:00	EPA 200.7/R3QA159
Thallium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:41	EPA 200.8/R3QA116
Tin	U	UJ	200	ug/L	1	03/12/12	03/13/12 11:00	EPA 200.7/R3QA159
Titanium	U		200	ug/L	1	03/12/12	03/13/12 11:00	EPA 200.7/R3QA159
Uranium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:41	EPA 200.8/R3QA116
Vanadium	U		5.0	ug/L	2.5	03/12/12	03/14/12 13:41	EPA 200.8/R3QA116
Zinc	15.5		2.0	ug/L	2.5	03/12/12	03/14/12 13:41	EPA 200.8/R3QA116



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Total Metals

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1203001-11							
Station ID:	FB21							
Sample Matrix:	Water							
Collected:	03/08/2012							
Aluminum	U		30.0	ug/L	2.5	03/12/12	03/14/12 13:51	EPA 200.8/R3QA116
Antimony	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:51	EPA 200.8/R3QA116
Arsenic	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:51	EPA 200.8/R3QA116
Barium	U		10.0	ug/L	2.5	03/12/12	03/14/12 13:51	EPA 200.8/R3QA116
Beryllium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:51	EPA 200.8/R3QA116
Boron	U		50.0	ug/L	1	03/12/12	03/13/12 11:07	EPA 200.7/R3QA159
Cadmium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:51	EPA 200.8/R3QA116
Calcium	U		500	ug/L	1	03/12/12	03/13/12 11:07	EPA 200.7/R3QA159
Chromium	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:51	EPA 200.8/R3QA116
Cobalt	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:51	EPA 200.8/R3QA116
Copper	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:51	EPA 200.8/R3QA116
Iron	U		100	ug/L	1	03/12/12	03/13/12 11:07	EPA 200.7/R3QA159
Lead	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:51	EPA 200.8/R3QA116
Lithium	U		25.0	ug/L	1	03/12/12	03/13/12 11:07	EPA 200.7/R3QA159
Magnesium	U		500	ug/L	1	03/12/12	03/13/12 11:07	EPA 200.7/R3QA159
Manganese	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:51	EPA 200.8/R3QA116
Nickel	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:51	EPA 200.8/R3QA116
Potassium	U		2000	ug/L	1	03/12/12	03/13/12 11:07	EPA 200.7/R3QA159
Selenium	U		5.0	ug/L	2.5	03/12/12	03/14/12 13:51	EPA 200.8/R3QA116
Silver	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:51	EPA 200.8/R3QA116
Sodium	U		1000	ug/L	1	03/12/12	03/13/12 11:07	EPA 200.7/R3QA159
Strontium	U		200	ug/L	1	03/12/12	03/13/12 11:07	EPA 200.7/R3QA159
Thallium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:51	EPA 200.8/R3QA116
Tin	U	UJ	200	ug/L	1	03/12/12	03/13/12 11:07	EPA 200.7/R3QA159
Titanium	U		200	ug/L	1	03/12/12	03/13/12 11:07	EPA 200.7/R3QA159
Uranium	U		1.0	ug/L	2.5	03/12/12	03/14/12 13:51	EPA 200.8/R3QA116
Vanadium	U		5.0	ug/L	2.5	03/12/12	03/14/12 13:51	EPA 200.8/R3QA116
Zinc	U		2.0	ug/L	2.5	03/12/12	03/14/12 13:51	EPA 200.8/R3QA116



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Total Metals

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1203001-12							
Station ID:	HW50							
Sample Matrix:	Drinking Water							
Collected:	03/08/2012							
Aluminum	U		30.0	ug/L	2.5	03/12/12	03/15/12 13:56	EPA 200.8/R3QA116
Antimony	U		2.0	ug/L	2.5	03/12/12	03/15/12 13:56	EPA 200.8/R3QA116
Arsenic	1.9		1.0	ug/L	2.5	03/12/12	03/15/12 13:56	EPA 200.8/R3QA116
Barium	238		10.0	ug/L	2.5	03/12/12	03/15/12 13:56	EPA 200.8/R3QA116
Beryllium	U		1.0	ug/L	2.5	03/12/12	03/15/12 13:56	EPA 200.8/R3QA116
Boron	U		50.0	ug/L	1	03/12/12	03/13/12 11:11	EPA 200.7/R3QA159
Cadmium	U		1.0	ug/L	2.5	03/12/12	03/15/12 13:56	EPA 200.8/R3QA116
Calcium	30200		500	ug/L	1	03/12/12	03/13/12 11:11	EPA 200.7/R3QA159
Chromium	U		2.0	ug/L	2.5	03/12/12	03/15/12 13:56	EPA 200.8/R3QA116
Cobalt	U		1.0	ug/L	2.5	03/12/12	03/15/12 13:56	EPA 200.8/R3QA116
Copper	U		2.0	ug/L	2.5	03/12/12	03/15/12 13:56	EPA 200.8/R3QA116
Iron	U		100	ug/L	1	03/12/12	03/13/12 11:11	EPA 200.7/R3QA159
Lead	U		2.0	ug/L	2.5	03/12/12	03/15/12 13:56	EPA 200.8/R3QA116
Lithium	U		25.0	ug/L	1	03/12/12	03/13/12 11:11	EPA 200.7/R3QA159
Magnesium	8330		500	ug/L	1	03/12/12	03/13/12 11:11	EPA 200.7/R3QA159
Manganese	27.9		1.0	ug/L	2.5	03/12/12	03/15/12 13:56	EPA 200.8/R3QA116
Nickel	U		1.0	ug/L	2.5	03/12/12	03/15/12 13:56	EPA 200.8/R3QA116
Potassium	U		2000	ug/L	1	03/12/12	03/13/12 11:11	EPA 200.7/R3QA159
Selenium	U		5.0	ug/L	2.5	03/12/12	03/15/12 13:56	EPA 200.8/R3QA116
Silver	U		1.0	ug/L	2.5	03/12/12	03/15/12 13:56	EPA 200.8/R3QA116
Sodium	10100		1000	ug/L	1	03/12/12	03/13/12 11:11	EPA 200.7/R3QA159
Strontium	1020		200	ug/L	1	03/12/12	03/13/12 11:11	EPA 200.7/R3QA159
Thallium	U		1.0	ug/L	2.5	03/12/12	03/15/12 13:56	EPA 200.8/R3QA116
Tin	U	UJ	200	ug/L	1	03/12/12	03/13/12 11:11	EPA 200.7/R3QA159
Titanium	U		200	ug/L	1	03/12/12	03/13/12 11:11	EPA 200.7/R3QA159
Uranium	1.2	UJ	1.0	ug/L	2.5	03/12/12	03/15/12 13:56	EPA 200.8/R3QA116
Vanadium	U		5.0	ug/L	2.5	03/12/12	03/15/12 13:56	EPA 200.8/R3QA116
Zinc	U		2.0	ug/L	2.5	03/12/12	03/15/12 13:56	EPA 200.8/R3QA116



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1203001-01

Station ID: FB19

Sample Matrix: Water

Collected: 03/05/2012

75-98-9	Propanoic acid, 2,2-dimethyl-	2.01	T	2.74	03/10/12 01:26	R3QA201
556-67-2	Cyclotetrasiloxane, octamethyl-	2.25	T	4.00	03/10/12 01:26	R3QA201
13475-82-6	Heptane, 2,2,4,6,6-pentamethyl-	6.04	T	4.06	03/10/12 01:26	R3QA201
104-76-7	1-Hexanol, 2-ethyl-	85.0	T	4.30	03/10/12 01:26	R3QA201
72218-58-7	3-Methylheptyl acetate	4.69	T	5.11	03/10/12 01:26	R3QA201
7659-86-1	2-Ethylhexyl mercaptoacetate	112	T	6.90	03/10/12 01:26	R3QA201
57-10-3	n-Hexadecanoic acid	4.40	T	9.43	03/10/12 01:26	R3QA201
112-79-8	9-Octadecenoic acid, (E)-	10.0	T	10.20	03/10/12 01:26	R3QA201
57-11-4	Octadecanoic acid	8.54	T	10.27	03/10/12 01:26	R3QA201
629-97-0	Docosane	10.4	T	10.40	03/10/12 01:26	R3QA201
015869-94-0	Octane, 3,6-dimethyl-	3.95	T	10.88	03/10/12 01:26	R3QA201
NA	unknown (01)	17.5	T	11.31	03/10/12 01:26	R3QA201
NA	unknown (02)	2.67	T	11.41	03/10/12 01:26	R3QA201
NA	unknown (03)	4.79	T	11.45	03/10/12 01:26	R3QA201
24468-13-1	dl-2-Ethylhexyl chloroformate	6.11	T	11.54	03/10/12 01:26	R3QA201
NA	unknown (04)	8.33	T	12.12	03/10/12 01:26	R3QA201
NA	unknown (05)	23.4	T	12.19	03/10/12 01:26	R3QA201
NA	unknown (06)	4.73	T	12.26	03/10/12 01:26	R3QA201
7683-64-9	Squalene	3.75	T	12.75	03/10/12 01:26	R3QA201
NA	unknown (07)	6.92	T	17.13	03/10/12 01:26	R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1203001-01

Station ID: FB19

Sample Matrix: Water

Collected: 03/05/2012

75-28-5	Isobutane	3.8	T	1.33	03/12/12 16:52	CLP trace/R3QA210
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1203001-02

Station ID: HW60

Sample Matrix: Drinking Water

Collected: 03/05/2012

10544-50-0 Cyclic octaatomic sulfur

178 T 9.98 03/09/12 18:48 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1203001-02

Station ID: HW60

Sample Matrix: Drinking Water

Collected: 03/05/2012

7446-09-5 Sulfur dioxide

16.0 T 1.33 03/12/12 17:19 CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1203001-03

Station ID: TB49

Sample Matrix: Water

Collected: 03/05/2012

7446-09-5 Sulfur dioxide

2.1 T 1.23 03/12/12 17:46 CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1203001-04
Station ID: HW56
Sample Matrix: Drinking Water
Collected: 03/05/2012

None Detected 0.00 03/09/12 19:38 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1203001-04
Station ID: HW56
Sample Matrix: Drinking Water
Collected: 03/05/2012

None Detected 0.0 03/12/12 18:13 CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1203001-05
Station ID: TB50
Sample Matrix: Water
Collected: 03/05/2012

None Detected 0.0 03/12/12 18:40 CLP trace/R3QA210



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701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1203001-06
Station ID: FB20
Sample Matrix: Water
Collected: 03/06/2012

None Detected 0.00 03/09/12 22:07 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1203001-06
Station ID: FB20
Sample Matrix: Water
Collected: 03/06/2012

75-28-5 Isobutane 1.1 T 1.34 03/12/12 19:07 CLP trace/R3QA210



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701 Mapes Road
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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1203001-07

Station ID: HW61-P

Sample Matrix: Drinking Water

Collected: 03/06/2012

None Detected

0.00

03/09/12 22:57 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1203001-07

Station ID: HW61-P

Sample Matrix: Drinking Water

Collected: 03/06/2012

420-56-4 Trimethylsilyl fluoride

0.2

T

1.60

03/12/12 19:35

CLP trace/R3QA210

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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1203001-08**Station ID:** HW61z**Sample Matrix:** Drinking Water**Collected:** 03/06/2012

None Detected

0.00

03/09/12 23:47 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1203001-08**Station ID:** HW61z**Sample Matrix:** Drinking Water**Collected:** 03/06/2012

None Detected

0.0

03/12/12 20:03 CLP trace/R3QA210



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701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1203001-09
Station ID: HW61
Sample Matrix: Drinking Water
Collected: 03/06/2012

None Detected 0.00 03/10/12 00:37 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1203001-09
Station ID: HW61
Sample Matrix: Drinking Water
Collected: 03/06/2012

None Detected 0.0 03/12/12 20:32 CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1203001-10
Station ID: TB51
Sample Matrix: Water
Collected: 03/06/2012

None Detected 0.0 03/12/12 21:01 CLP trace/R3QA210



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701 Mapes Road
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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1203001-11
Station ID: FB21
Sample Matrix: Water
Collected: 03/08/2012

None Detected 0.00 03/15/12 21:10 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1203001-11
Station ID: FB21
Sample Matrix: Water
Collected: 03/08/2012

None Detected 0.0 03/12/12 21:29 CLP trace/R3QA210

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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1203001-12
Station ID: HW50
Sample Matrix: Drinking Water
Collected: 03/08/2012

None Detected 0.00 03/15/12 22:00 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1203001-12
Station ID: HW50
Sample Matrix: Drinking Water
Collected: 03/08/2012

None Detected 0.0 03/12/12 21:57 CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1203001-13
Station ID: TB52
Sample Matrix: Water
Collected: 03/08/2012

None Detected 0.0 03/12/12 22:26 CLP trace/R3QA210



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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

QC Data
Physical Parameters

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC20901 - TDS/TSS prep

Blank (BC20901-BLK1)				Prepared: 03/09/12 13:32 Analyzed: 03/12/12 11:05			
Total Dissolved Solids	U	10	mg/L				
Duplicate (BC20901-DUP1)				Source: 1203001-04 Prepared: 03/09/12 13:32 Analyzed: 03/12/12 11:05			
Total Dissolved Solids	108	10	mg/L	95		13	20
Reference (BC20901-SRM1)				Prepared: 03/09/12 13:32 Analyzed: 03/12/12 11:05			
Total Dissolved Solids	247		mg/L	250.00	99	74-126	

Batch BC20902 - TDS/TSS prep

Blank (BC20902-BLK1)				Prepared: 03/09/12 13:34 Analyzed: 03/12/12 11:07			
Total Suspended Solids	U	10	mg/L				
Duplicate (BC20902-DUP1)				Source: 1203001-04 Prepared: 03/09/12 13:34 Analyzed: 03/12/12 11:07			
Total Suspended Solids	U	10	mg/L	0		20	
Reference (BC20902-SRM1)				Prepared: 03/09/12 13:34 Analyzed: 03/12/12 11:07			
Total Suspended Solids	44		mg/L	46.200	95	77-115	



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QC Data
Classical Chemistry Parameters

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BC21501 - Nutrient Prep

Blank (BC21501-BLK1)					Prepared: 03/15/12 09:25	Analyzed: 03/16/12 15:16				
Nitrite + Nitrate as N	U	0.050	mg/L							
LCS (BC21501-BS1)					Prepared: 03/15/12 09:25	Analyzed: 03/16/12 15:19				
Nitrite + Nitrate as N	3.110	0.050	mg/L	3.0000	104	85-115				
Duplicate (BC21501-DUP1)		Source: 1203001-02			Prepared: 03/15/12 09:25	Analyzed: 03/16/12 15:24				
Nitrite + Nitrate as N	U	0.050	mg/L		U					20
MRL Check (BC21501-MRL1)					Prepared: 03/15/12 09:25	Analyzed: 03/16/12 15:20				
Nitrite + Nitrate as N	0.035	0.050	mg/L	0.050000	70	60-140				
Matrix Spike (BC21501-MS1)		Source: 1203001-04			Prepared: 03/15/12 09:25	Analyzed: 03/16/12 15:26				
Nitrite + Nitrate as N	1.006	0.050	mg/L	1.0000	U	101	85-115			

Batch BC21502 - Nutrient Prep

Blank (BC21502-BLK1)					Prepared: 03/19/12 09:31	Analyzed: 03/20/12 14:32				
Total Nitrogen	U	1.00	mg/L							
LCS (BC21502-BS1)					Prepared: 03/19/12 09:31	Analyzed: 03/20/12 14:35				
Total Nitrogen	4.94	1.00	mg/L	5.0000	99	85-115				
Duplicate (BC21502-DUP1)		Source: 1203001-02			Prepared: 03/19/12 09:31	Analyzed: 03/20/12 14:41				
Total Nitrogen	U	1.00	mg/L		U					20
MRL Check (BC21502-MRL1)					Prepared: 03/19/12 09:31	Analyzed: 03/20/12 14:37				
Total Nitrogen	0.750300	1.00	mg/L	1.0000	75	60-140				



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QC Data
Classical Chemistry Parameters

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC21502 - Nutrient Prep

Matrix Spike (BC21502-MS1)	Source: 1203001-04			Prepared: 03/19/12 09:31			Analyzed: 03/20/12 14:44		
Total Nitrogen	4.47	1.00	mg/L	5.0000	U	89	85-115		



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QC Data

Anions

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BC21401 - Anions Water Prep

Blank (BC21401-BLK1)

Prepared: 03/14/12 09:14 Analyzed: 03/14/12 11:02

Bromide	U	0.500	mg/L							
Chloride	U	0.250	"							
Fluoride	U	0.100	"							
Sulfate as SO ₄	U	0.500	"							

LCS (BC21401-BS1)

Prepared: 03/14/12 09:14 Analyzed: 03/14/12 11:02

Bromide	10.0	0.500	mg/L	10.000	100	90-110				
Chloride	5.03	0.250	"	5.0000	101	90-110				
Fluoride	2.00	0.100	"	2.0000	100	90-110				
Sulfate as SO ₄	10.0	0.500	"	10.000	100	90-110				

Duplicate (BC21401-DUP1)

Source: 1203001-12

Prepared: 03/14/12 09:14 Analyzed: 03/14/12 11:02

Bromide	U	0.500	mg/L	U					15	
Chloride	6.78	0.250	"	6.72				0.9	10	
Fluoride	U	0.100	"	U					10	
Sulfate as SO ₄	12.9	0.500	"	12.9				0	10	

Matrix Spike (BC21401-MS1)

Source: 1203001-12

Prepared: 03/14/12 09:14 Analyzed: 03/14/12 11:02

Bromide	4.74	0.500	mg/L	5.0000	U	95	91.9-105.3			
Chloride	9.19	0.250	"	2.5000	6.72	99	85-112.7			
Fluoride	0.881	0.100	"	1.0000	U	88	80.5-121.4			
Sulfate as SO ₄	17.7	0.500	"	5.0000	12.9	96	86.4-112.5			

Reference (BC21401-SRM1)

Prepared: 03/14/12 09:14 Analyzed: 03/14/12 11:02

Bromide	10.1		mg/L	10.000	101	90-110				
Chloride	5.04		"	5.0000	101	90-110				
Fluoride	1.98		"	2.0000	99	90-110				
Sulfate as SO ₄	10.2		"	10.000	102	90-110				



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QC Data
HPLC Identification

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC21302 - LC/MS prep

				Prepared: 03/13/12 09:45	Analyzed: 03/14/12 19:00
2-Butoxyethanol	U	25.0	ug/L		
Diethylene Glycol	U	50.0	"		
2-Methoxyethanol	U	10.0	"		
Tetraethylene Glycol	U	25.0	"		
Triethylene Glycol	U	25.0	"		

				Prepared: 03/13/12 09:45	Analyzed: 03/14/12 22:46
2-Butoxyethanol	98.2	25.0	ug/L	100.00	98
Diethylene Glycol	95.5	50.0	"	100.00	96
2-Methoxyethanol	105	10.0	"	100.00	105
Tetraethylene Glycol	85.6	25.0	"	100.00	86
Triethylene Glycol	112	25.0	"	100.00	112

				Source: 1203001-04	Prepared: 03/13/12 09:45	Analyzed: 03/14/12 23:06
2-Butoxyethanol	93.1	25.0	ug/L	100.00	0.0	93
Diethylene Glycol	110	50.0	"	100.00	0.0	110
2-Methoxyethanol	95.3	10.0	"	96.600	0.0	99
Tetraethylene Glycol	102	25.0	"	100.00	0.0	102
Triethylene Glycol	103	25.0	"	100.00	0.0	103

				Source: 1203001-04	Prepared: 03/13/12 09:45	Analyzed: 03/14/12 23:27
2-Butoxyethanol	99.3	25.0	ug/L	100.00	0.0	99
Diethylene Glycol	112	50.0	"	100.00	0.0	112
2-Methoxyethanol	98.7	10.0	"	96.600	0.0	102
Tetraethylene Glycol	105	25.0	"	100.00	0.0	105
Triethylene Glycol	104	25.0	"	100.00	0.0	104



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QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC20802 - EPA 3520C SVOC**Blank (BC20802-BLK1)**

Prepared: 03/08/12 12:55 Analyzed: 03/09/12 15:27

Acenaphthene	U	5.00	ug/L							
Acenaphthylene	U	5.00	"							
Acetophenone	U	5.00	"							
Anthracene	U	5.00	"							
Atrazine	U	5.00	"							
Benzaldehyde	U	5.00	"							
Benzo(a)anthracene	U	5.00	"							
Benzo(a)pyrene	U	5.00	"							
Benzo(b)fluoranthene	U	5.00	"							
Benzo(ghi)perylene	U	5.00	"							
Benzo(k)fluoranthene	U	5.00	"							UJ
1,1-Biphenyl	U	5.00	"							
Bis(2-chloroethoxy)methane	U	5.00	"							
Bis(2-chloroethyl)ether	U	5.00	"							
Bis(2-chloroisopropyl)ether	U	5.00	"							
Bis(2-ethylhexyl)phthalate	0.460	5.00	"							J
4-Bromophenyl phenyl ether	U	5.00	"							
Butyl benzyl phthalate	0.095	5.00	"							J
Carbazole	U	5.00	"							
Caprolactam	U	5.00	"							
4-Chloroaniline	U	5.00	"							
4-Chloro-3-methylphenol	U	5.00	"							
2-Chloronaphthalene	U	5.00	"							
2-Chlorophenol	U	5.00	"							
4-Chlorophenyl phenyl ether	U	5.00	"							
Chrysene	U	5.00	"							
Dibenz(a,h)anthracene	U	5.00	"							
Dibenzofuran	U	5.00	"							
3,3'-Dichlorobenzidine	U	5.00	"							
Diethyl phthalate	0.038	5.00	"							J
2,4-Dichlorophenol	U	5.00	"							
2,4-Dimethylphenol	U	5.00	"							
Dimethyl phthalate	U	5.00	"							
2,4-Dinitrophenol	U	5.00	"							UJ
Di-n-butyl phthalate	1.12	5.00	"							J
4,6-Dinitro-2-methylphenol	U	10.0	"							UJ
2,4-Dinitrotoluene	U	5.00	"							
2,6-Dinitrotoluene	U	5.00	"							
Di-n-octyl phthalate	U	5.00	"							
Fluoranthene	U	5.00	"							
Fluorene	U	5.00	"							
Hexachlorobenzene	U	5.00	"							
Hexachlorobutadiene	U	5.00	"							

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QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC20802 - EPA 3520C SVOC**Blank (BC20802-BLK1)**

Prepared: 03/08/12 12:55 Analyzed: 03/09/12 15:27

Hexachlorocyclopentadiene	U	5.00	ug/L							
Hexachloroethane	U	5.00	"							
Indeno(1,2,3-ed)pyrene	U	5.00	"							
Isophorone	U	5.00	"							
1-Methylnaphthalene	U	5.00	"							
2-Methylnaphthalene	U	5.00	"							
2-Methylphenol	U	5.00	"							
4-Methylphenol	U	5.00	"							
Naphthalene	U	5.00	"							
2-Nitroaniline	U	5.00	"							
3-Nitroaniline	U	5.00	"							
4-Nitroaniline	U	5.00	"							
Nitrobenzene	U	5.00	"							
2-Nitrophenol	U	5.00	"							
4-Nitrophenol	U	10.0	"							
N-Nitrosodimethylamine	U	5.00	"							
N-Nitroso-di-n-propylamine	U	5.00	"							
N-Nitrosodiphenylamine	U	5.00	"							
Pentachlorophenol	U	5.00	"							
Phenanthrene	U	5.00	"							
Phenol	U	5.00	"							
Pyrene	U	5.00	"							
1,2,4,5-Tetrachlorobenzene	U	5.00	"							
2,3,4,6-Tetrachlorophenol	U	5.00	"							
2,4,5-Trichlorophenol	U	5.00	"							
2,4,6-Trichlorophenol	U	5.00	"							
<i>Surrogate: 2-Fluorophenol</i>	31.0	"	50.000	62	21-110					
<i>Surrogate: Phenol-d5</i>	36.4	"	50.000	73	10-110					
<i>Surrogate: Nitrobenzene-d5</i>	18.1	"	25.000	72	35-114					
<i>Surrogate: 2-Fluorobiphenyl</i>	18.0	"	25.000	72	43-116					
<i>Surrogate: 2,4,6-Tribromophenol</i>	42.5	"	50.000	85	10-123					
<i>Surrogate: Terphenyl-d14</i>	20.1	"	25.000	80	33-141					



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QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC20802 - EPA 3520C SVOC

LCS (BC20802-BS1)					Prepared: 03/08/12 12:55	Analyzed: 03/09/12 16:17	
Benzo(a)pyrene	5.67	5.00	ug/L	5.0000	113	30-150	
Bis(2-chloroethyl)ether	4.56	5.00	"	5.0000	91	30-150	J
4-Chloroaniline	4.22	5.00	"	5.0000	84	30-150	J
4-Chloro-3-methylphenol	4.80	5.00	"	5.0000	96	26-103	J
2-Chlorophenol	4.22	5.00	"	5.0000	84	25-102	J
Diethyl phthalate	5.05	5.00	"	5.0000	101	30-150	
2,4-Dinitrotoluene	4.35	5.00	"	5.0000	87	28-89	J
Hexachlorobenzene	5.15	5.00	"	5.0000	103	30-150	
Hexachlorobutadiene	4.46	5.00	"	5.0000	89	30-150	J
Hexachloroethane	3.88	5.00	"	5.0000	78	30-150	J
Isophorone	4.75	5.00	"	5.0000	95	30-150	J
1-Methylnaphthalene	5.15	5.00	"	5.0000	103	30-150	
Naphthalene	5.07	5.00	"	5.0000	101	30-150	
Nitrobenzene	4.65	5.00	"	5.0000	93	30-150	J
4-Nitrophenol	3.63	10.0	"	5.0000	73	11-114	J
N-Nitroso-di-n-propylamine	4.50	5.00	"	5.0000	90	41-126	J
N-Nitrosodiphenylamine	6.78	5.00	"	5.0000	136	30-150	
Pentachlorophenol	1.75	5.00	"	5.0000	35	17-109	J
Phenol	4.32	5.00	"	5.0000	86	26-90	J
2,4,5-Trichlorophenol	4.82	5.00	"	5.0000	96	30-150	J
2,4,6-Trichlorophenol	4.69	5.00	"	5.0000	94	30-150	J
<i>Surrogate: 2-Fluorophenol</i>	37.2	"		50.000	74	21-110	
<i>Surrogate: Phenol-d5</i>	42.0	"		50.000	84	10-110	
<i>Surrogate: Nitrobenzene-d5</i>	20.9	"		25.000	84	35-114	
<i>Surrogate: 2-Fluorobiphenyl</i>	21.1	"		25.000	84	43-116	
<i>Surrogate: 2,4,6-Tribromophenol</i>	50.3	"		50.000	101	10-123	
<i>Surrogate: Terphenyl-d14</i>	21.4	"		25.000	86	33-141	



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QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC20802 - EPA 3520C SVOC

LCS (BC20802-BS2)					Prepared: 03/08/12 12:55	Analyzed: 03/09/12 17:07	
Benzo(a)pyrene	42.5	5.00	ug/L	40.000	106	30-150	
Bis(2-chloroethyl)ether	31.7	5.00	"	40.000	79	30-150	
4-Chloroaniline	36.4	5.00	"	40.000	91	30-150	
4-Chloro-3-methylphenol	37.2	5.00	"	40.000	93	26-103	
2-Chlorophenol	30.6	5.00	"	40.000	76	25-102	
Diethyl phthalate	36.7	5.00	"	40.000	92	30-150	
2,4-Dinitrotoluene	37.4	5.00	"	40.000	94	28-89	A
Hexachlorobenzene	36.2	5.00	"	40.000	90	30-150	
Hexachlorobutadiene	29.6	5.00	"	40.000	74	30-150	
Hexachloroethane	26.9	5.00	"	40.000	67	30-150	
Isophorone	34.9	5.00	"	40.000	87	30-150	
1-Methylnaphthalene	33.1	5.00	"	40.000	83	30-150	
Naphthalene	32.9	5.00	"	40.000	82	30-150	
Nitrobenzene	33.9	5.00	"	40.000	85	30-150	
4-Nitrophenol	41.2	10.0	"	40.000	103	11-114	
N-Nitroso-di-n-propylamine	32.0	5.00	"	40.000	80	41-126	
N-Nitrosodiphenylamine	41.2	5.00	"	40.000	103	30-150	
Pentachlorophenol	37.9	5.00	"	40.000	95	17-109	
Phenol	31.4	5.00	"	40.000	79	26-90	
2,4,5-Trichlorophenol	35.6	5.00	"	40.000	89	30-150	
2,4,6-Trichlorophenol	35.0	5.00	"	40.000	88	30-150	
<i>Surrogate: 2-Fluorophenol</i>	37.8		"	50.000	76	21-110	
<i>Surrogate: Phenol-d5</i>	40.4		"	50.000	81	10-110	
<i>Surrogate: Nitrobenzene-d5</i>	21.5		"	25.000	86	35-114	
<i>Surrogate: 2-Fluorobiphenyl</i>	22.1		"	25.000	88	43-116	
<i>Surrogate: 2,4,6-Tribromophenol</i>	51.2		"	50.000	102	10-123	
<i>Surrogate: Terphenyl-d14</i>	23.6		"	25.000	94	33-141	



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Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC20802 - EPA 3520C SVOC

LCS (BC20802-BS3)					Prepared: 03/08/12 12:55	Analyzed: 03/09/12 17:58
Benzo(a)pyrene	21.6	5.00	ug/L	20.000	108	30-150
Bis(2-chloroethyl)ether	13.7	5.00	"	20.000	69	30-150
4-Chloroaniline	17.6	5.00	"	20.000	88	30-150
4-Chloro-3-methylphenol	18.0	5.00	"	20.000	90	26-103
2-Chlorophenol	13.0	5.00	"	20.000	65	25-102
Diethyl phthalate	18.4	5.00	"	20.000	92	30-150
2,4-Dinitrotoluene	17.7	5.00	"	20.000	89	28-89
Hexachlorobenzene	19.0	5.00	"	20.000	95	30-150
Hexachlorobutadiene	14.4	5.00	"	20.000	72	30-150
Hexachloroethane	11.4	5.00	"	20.000	57	30-150
Isophorone	16.7	5.00	"	20.000	84	30-150
1-Methylnaphthalene	17.1	5.00	"	20.000	85	30-150
Naphthalene	16.2	5.00	"	20.000	81	30-150
Nitrobenzene	15.1	5.00	"	20.000	75	30-150
4-Nitrophenol	14.9	10.0	"	20.000	75	11-114
N-Nitroso-di-n-propylamine	15.3	5.00	"	20.000	77	41-126
N-Nitrosodiphenylamine	23.1	5.00	"	20.000	115	30-150
Pentachlorophenol	16.2	5.00	"	20.000	81	17-109
Phenol	14.1	5.00	"	20.000	70	26-90
2,4,5-Trichlorophenol	17.3	5.00	"	20.000	86	30-150
2,4,6-Trichlorophenol	16.9	5.00	"	20.000	85	30-150
<i>Surrogate: 2-Fluorophenol</i>	28.0		"	50.000	56	21-110
<i>Surrogate: Phenol-d5</i>	35.2		"	50.000	70	10-110
<i>Surrogate: Nitrobenzene-d5</i>	18.1		"	25.000	72	35-114
<i>Surrogate: 2-Fluorobiphenyl</i>	19.3		"	25.000	77	43-116
<i>Surrogate: 2,4,6-Tribromophenol</i>	48.9		"	50.000	98	10-123
<i>Surrogate: Terphenyl-d14</i>	22.5		"	25.000	90	33-141



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC20802 - EPA 3520C SVOC

Matrix Spike (BC20802-MS1)	Source: 1203001-04		Prepared: 03/08/12 12:55		Analyzed: 03/09/12 20:27			
Benzo(a)pyrene	42.4	5.00	ug/L	40.000	0.00	106	30-150	
Bis(2-chloroethyl)ether	29.8	5.00	"	40.000	0.00	74	30-150	
4-Chloroaniline	31.9	5.00	"	40.000	0.00	80	30-150	
4-Chloro-3-methylphenol	36.5	5.00	"	40.000	0.00	91	26-103	
2-Chlorophenol	28.2	5.00	"	40.000	0.00	70	25-102	
Diethyl phthalate	36.5	5.00	"	40.000	0.035	91	30-150	
2,4-Dinitrotoluene	37.4	5.00	"	40.000	0.00	94	28-89	A
Hexachlorobenzene	35.6	5.00	"	40.000	0.00	89	30-150	
Hexachlorobutadiene	27.6	5.00	"	40.000	0.00	69	30-150	
Hexachloroethane	22.7	5.00	"	40.000	0.00	57	30-150	
Isophorone	33.9	5.00	"	40.000	0.00	85	30-150	
1-Methylnaphthalene	32.6	5.00	"	40.000	0.00	82	30-150	
Naphthalene	31.2	5.00	"	40.000	0.00	78	30-150	
Nitrobenzene	32.4	5.00	"	40.000	0.00	81	30-150	
4-Nitrophenol	40.8	10.0	"	40.000	0.00	102	11-114	
N-Nitroso-di-n-propylamine	31.1	5.00	"	40.000	0.00	78	41-126	
N-Nitrosodiphenylamine	40.9	5.00	"	40.000	0.00	102	30-150	
Pentachlorophenol	38.4	5.00	"	40.000	0.00	96	17-109	
Phenol	29.8	5.00	"	40.000	0.00	74	26-90	
2,4,5-Trichlorophenol	35.8	5.00	"	40.000	0.00	90	30-150	
2,4,6-Trichlorophenol	34.8	5.00	"	40.000	0.00	87	30-150	
<i>Surrogate: 2-Fluorophenol</i>	33.9		"	50.000		68	21-110	
<i>Surrogate: Phenol-d5</i>	38.2		"	50.000		76	10-110	
<i>Surrogate: Nitrobenzene-d5</i>	20.7		"	25.000		83	35-114	
<i>Surrogate: 2-Fluorobiphenyl</i>	21.6		"	25.000		86	43-116	
<i>Surrogate: 2,4,6-Tribromophenol</i>	50.7		"	50.000		101	10-123	
<i>Surrogate: Terphenyl-d14</i>	22.9		"	25.000		91	33-141	



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Project #: DAS R33937

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC20802 - EPA 3520C SVOC

Matrix Spike Dup (BC20802-MSD1)	Source: 1203001-04		Prepared: 03/08/12 12:55			Analyzed: 03/09/12 21:17			
Benzo(a)pyrene	41.3	5.00	ug/L	40.000	0.00	103	30-150	3	25
Bis(2-chloroethyl)ether	30.2	5.00	"	40.000	0.00	75	30-150	1	25
4-Chloroaniline	34.2	5.00	"	40.000	0.00	85	30-150	7	25
4-Chloro-3-methylphenol	36.6	5.00	"	40.000	0.00	91	26-103	0.2	33
2-Chlorophenol	29.1	5.00	"	40.000	0.00	73	25-102	3	50
Diethyl phthalate	35.8	5.00	"	40.000	0.035	89	30-150	2	25
2,4-Dinitrotoluene	36.6	5.00	"	40.000	0.00	92	28-89	2	47
Hexachlorobenzene	35.2	5.00	"	40.000	0.00	88	30-150	1	25
Hexachlorobutadiene	32.0	5.00	"	40.000	0.00	80	30-150	15	200
Hexachloroethane	29.1	5.00	"	40.000	0.00	73	30-150	25	25
Isophorone	33.9	5.00	"	40.000	0.00	85	30-150	0.2	25
1-Methylnaphthalene	33.4	5.00	"	40.000	0.00	84	30-150	2	25
Naphthalene	33.3	5.00	"	40.000	0.00	83	30-150	7	25
Nitrobenzene	33.0	5.00	"	40.000	0.00	82	30-150	2	200
4-Nitrophenol	41.6	10.0	"	40.000	0.00	104	11-114	2	50
N-Nitroso-di-n-propylamine	31.1	5.00	"	40.000	0.00	78	41-126	0.3	38
N-Nitrosodiphenylamine	39.2	5.00	"	40.000	0.00	98	30-150	4	25
Pentachlorophenol	37.6	5.00	"	40.000	0.00	94	17-109	2	47
Phenol	30.1	5.00	"	40.000	0.00	75	26-90	1	35
2,4,5-Trichlorophenol	35.7	5.00	"	40.000	0.00	89	30-150	0.4	200
2,4,6-Trichlorophenol	34.3	5.00	"	40.000	0.00	86	30-150	1	200
<i>Surrogate: 2-Fluorophenol</i>	35.9		"	50.000		72	21-110		
<i>Surrogate: Phenol-d5</i>	39.0		"	50.000		78	10-110		
<i>Surrogate: Nitrobenzene-d5</i>	21.1		"	25.000		84	35-114		
<i>Surrogate: 2-Fluorobiphenyl</i>	21.3		"	25.000		85	43-116		
<i>Surrogate: 2,4,6-Tribromophenol</i>	50.6		"	50.000		101	10-123		
<i>Surrogate: Terphenyl-d14</i>	23.1		"	25.000		92	33-141		



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QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC21202 - EPA 3520C SVOC**Blank (BC21202-BLK1)**

Prepared: 03/12/12 08:51 Analyzed: 03/15/12 17:48

Acenaphthene	U	5.00	ug/L							
Acenaphthylene	U	5.00	"							
Acetophenone	U	5.00	"							
Anthracene	U	5.00	"							
Atrazine	U	5.00	"							
Benzaldehyde	U	5.00	"							
Benzo(a)anthracene	U	5.00	"							
Benzo(a)pyrene	U	5.00	"							
Benzo(b)fluoranthene	U	5.00	"							
Benzo(ghi)perylene	U	5.00	"							
Benzo(k)fluoranthene	U	5.00	"							
1,1-Biphenyl	U	5.00	"							
Bis(2-chloroethoxy)methane	U	5.00	"							
Bis(2-chloroethyl)ether	U	5.00	"							
Bis(2-chloroisopropyl)ether	U	5.00	"							
Bis(2-ethylhexyl)phthalate	0.207	5.00	"							J
4-Bromophenyl phenyl ether	U	5.00	"							
Butyl benzyl phthalate	U	5.00	"							
Carbazole	U	5.00	"							
Caprolactam	U	5.00	"							
4-Chloroaniline	U	5.00	"							
4-Chloro-3-methylphenol	U	5.00	"							
2-Chloronaphthalene	U	5.00	"							
2-Chlorophenol	U	5.00	"							
4-Chlorophenyl phenyl ether	U	5.00	"							
Chrysene	U	5.00	"							
Dibenz(a,h)anthracene	U	5.00	"							
Dibenzofuran	U	5.00	"							
3,3'-Dichlorobenzidine	U	5.00	"							
Diethyl phthalate	0.021	5.00	"							J
2,4-Dichlorophenol	U	5.00	"							
2,4-Dimethylphenol	U	5.00	"							
Dimethyl phthalate	U	5.00	"							
2,4-Dinitrophenol	U	5.00	"							UJ
Di-n-butyl phthalate	0.813	5.00	"							J
4,6-Dinitro-2-methylphenol	U	10.0	"							UJ
2,4-Dinitrotoluene	U	5.00	"							
2,6-Dinitrotoluene	U	5.00	"							
Di-n-octyl phthalate	U	5.00	"							
Fluoranthene	U	5.00	"							
Fluorene	U	5.00	"							
Hexachlorobenzene	U	5.00	"							
Hexachlorobutadiene	U	5.00	"							

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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC21202 - EPA 3520C SVOC**Blank (BC21202-BLK1)**

Prepared: 03/12/12 08:51 Analyzed: 03/15/12 17:48

Hexachlorocyclopentadiene	U	5.00	ug/L							
Hexachloroethane	U	5.00	"							
Indeno(1,2,3-ed)pyrene	U	5.00	"							
Isophorone	U	5.00	"							
2-Methylnaphthalene	U	5.00	"							
2-Methylphenol	U	5.00	"							
4-Methylphenol	U	5.00	"							
Naphthalene	U	5.00	"							
2-Nitroaniline	U	5.00	"							
3-Nitroaniline	U	5.00	"							
4-Nitroaniline	U	5.00	"							
Nitrobenzene	U	5.00	"							
2-Nitrophenol	U	5.00	"							
4-Nitrophenol	U	10.0	"							
N-Nitrosodimethylamine	U	5.00	"							
N-Nitroso-di-n-propylamine	U	5.00	"							
N-Nitrosodiphenylamine	U	5.00	"							
Pentachlorophenol	U	5.00	"							
Phenanthrene	U	5.00	"							
Phenol	U	5.00	"							
Pyrene	U	5.00	"							
1,2,4,5-Tetrachlorobenzene	U	5.00	"							
2,3,4,6-Tetrachlorophenol	U	5.00	"							
2,4,5-Trichlorophenol	U	5.00	"							
2,4,6-Trichlorophenol	U	5.00	"							
2-Hexene, 2,5,5-trimethyl-	3.15		"							T
<i>Surrogate: 2-Fluorophenol</i>	34.8		"	50.000	70	21-110				
<i>Surrogate: Phenol-d5</i>	38.5		"	50.000	77	10-110				
<i>Surrogate: Nitrobenzene-d5</i>	21.6		"	25.000	86	35-114				
<i>Surrogate: 2-Fluorobiphenyl</i>	20.0		"	25.000	80	43-116				
<i>Surrogate: 2,4,6-Tribromophenol</i>	41.1		"	50.000	82	10-123				
<i>Surrogate: Terphenyl-d14</i>	21.1		"	25.000	85	33-141				



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QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC21202 - EPA 3520C SVOC

LCS (BC21202-BS1)

					Prepared: 03/12/12 08:51	Analyzed: 03/15/12 18:38	
Benzo(a)pyrene	4.65	5.00	ug/L	5.0000	93	30-150	J
Bis(2-chloroethyl)ether	3.79	5.00	"	5.0000	76	30-150	J
4-Chloroaniline	3.89	5.00	"	5.0000	78	30-150	J
4-Chloro-3-methylphenol	4.25	5.00	"	5.0000	85	26-103	J
2-Chlorophenol	3.49	5.00	"	5.0000	70	25-102	J
Diethyl phthalate	4.25	5.00	"	5.0000	85	30-150	J
2,4-Dinitrotoluene	3.65	5.00	"	5.0000	73	28-89	J
Hexachlorobenzene	4.71	5.00	"	5.0000	94	30-150	J
Hexachlorobutadiene	3.16	5.00	"	5.0000	63	30-150	J
Hexachloroethane	2.78	5.00	"	5.0000	56	30-150	J
Isophorone	4.50	5.00	"	5.0000	90	30-150	J
Naphthalene	3.96	5.00	"	5.0000	79	30-150	J
Nitrobenzene	4.10	5.00	"	5.0000	82	30-150	J
4-Nitrophenol	3.19	10.0	"	5.0000	64	11-114	J
N-Nitroso-di-n-propylamine	4.45	5.00	"	5.0000	89	41-126	J
N-Nitrosodiphenylamine	5.52	5.00	"	5.0000	110	30-150	
Pentachlorophenol	0.839	5.00	"	5.0000	17	17-109	J
Phenol	3.77	5.00	"	5.0000	75	26-90	J
2,4,5-Trichlorophenol	4.07	5.00	"	5.0000	81	30-150	J
2,4,6-Trichlorophenol	4.08	5.00	"	5.0000	82	30-150	J
<i>Surrogate: 2-Fluorophenol</i>	31.9		"	50.000	64	21-110	
<i>Surrogate: Phenol-d5</i>	38.8		"	50.000	78	10-110	
<i>Surrogate: Nitrobenzene-d5</i>	20.6		"	25.000	82	35-114	
<i>Surrogate: 2-Fluorobiphenyl</i>	21.0		"	25.000	84	43-116	
<i>Surrogate: 2,4,6-Tribromophenol</i>	44.2		"	50.000	88	10-123	
<i>Surrogate: Terphenyl-d14</i>	21.0		"	25.000	84	33-141	

LCS (BC21202-BS2)

					Prepared: 03/12/12 08:51	Analyzed: 03/15/12 19:28	
Benzo(a)pyrene	41.7	5.00	ug/L	40.000	104	30-150	
Bis(2-chloroethyl)ether	34.4	5.00	"	40.000	86	30-150	
4-Chloroaniline	37.6	5.00	"	40.000	94	30-150	
4-Chloro-3-methylphenol	41.0	5.00	"	40.000	102	26-103	
2-Chlorophenol	33.3	5.00	"	40.000	83	25-102	
Diethyl phthalate	35.3	5.00	"	40.000	88	30-150	
2,4-Dinitrotoluene	39.1	5.00	"	40.000	98	28-89	A
Hexachlorobenzene	34.5	5.00	"	40.000	86	30-150	
Hexachlorobutadiene	27.3	5.00	"	40.000	68	30-150	
Hexachloroethane	25.3	5.00	"	40.000	63	30-150	
Isophorone	40.0	5.00	"	40.000	100	30-150	
Naphthalene	31.6	5.00	"	40.000	79	30-150	
Nitrobenzene	36.5	5.00	"	40.000	91	30-150	
4-Nitrophenol	39.8	10.0	"	40.000	100	11-114	
N-Nitroso-di-n-propylamine	39.0	5.00	"	40.000	98	41-126	

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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC21202 - EPA 3520C SVOC

LCS (BC21202-BS2)

					Prepared: 03/12/12 08:51	Analyzed: 03/15/12 19:28
N-Nitrosodiphenylamine	41.2	5.00	ug/L	40.000	103	30-150
Pentachlorophenol	35.9	5.00	"	40.000	90	17-109
Phenol	32.9	5.00	"	40.000	82	26-90
2,4,5-Trichlorophenol	38.9	5.00	"	40.000	97	30-150
2,4,6-Trichlorophenol	38.6	5.00	"	40.000	96	30-150
<i>Surrogate: 2-Fluorophenol</i>	39.4		"	50.000	79	21-110
<i>Surrogate: Phenol-d5</i>	42.7		"	50.000	85	10-110
<i>Surrogate: Nitrobenzene-d5</i>	24.9		"	25.000	100	35-114
<i>Surrogate: 2-Fluorobiphenyl</i>	23.7		"	25.000	95	43-116
<i>Surrogate: 2,4,6-Tribromophenol</i>	50.2		"	50.000	100	10-123
<i>Surrogate: Terphenyl-d14</i>	24.0		"	25.000	96	33-141

LCS (BC21202-BS3)

					Prepared: 03/12/12 08:51	Analyzed: 03/15/12 20:19
Benzo(a)pyrene	19.4	5.00	ug/L	20.000	97	30-150
Bis(2-chloroethyl)ether	14.9	5.00	"	20.000	74	30-150
4-Chloroaniline	16.5	5.00	"	20.000	83	30-150
4-Chloro-3-methylphenol	17.5	5.00	"	20.000	88	26-103
2-Chlorophenol	14.2	5.00	"	20.000	71	25-102
Diethyl phthalate	16.4	5.00	"	20.000	82	30-150
2,4-Dinitrotoluene	16.1	5.00	"	20.000	81	28-89
Hexachlorobenzene	17.0	5.00	"	20.000	85	30-150
Hexachlorobutadiene	10.8	5.00	"	20.000	54	30-150
Hexachloroethane	9.54	5.00	"	20.000	48	30-150
Isophorone	17.7	5.00	"	20.000	88	30-150
Naphthalene	14.3	5.00	"	20.000	72	30-150
Nitrobenzene	16.0	5.00	"	20.000	80	30-150
4-Nitrophenol	16.5	10.0	"	20.000	82	11-114
N-Nitroso-di-n-propylamine	17.1	5.00	"	20.000	85	41-126
N-Nitrosodiphenylamine	21.3	5.00	"	20.000	107	30-150
Pentachlorophenol	11.6	5.00	"	20.000	58	17-109
Phenol	14.5	5.00	"	20.000	73	26-90
2,4,5-Trichlorophenol	17.0	5.00	"	20.000	85	30-150
2,4,6-Trichlorophenol	17.0	5.00	"	20.000	85	30-150
<i>Surrogate: 2-Fluorophenol</i>	33.2		"	50.000	66	21-110
<i>Surrogate: Phenol-d5</i>	37.1		"	50.000	74	10-110
<i>Surrogate: Nitrobenzene-d5</i>	20.8		"	25.000	83	35-114
<i>Surrogate: 2-Fluorobiphenyl</i>	19.9		"	25.000	79	43-116
<i>Surrogate: 2,4,6-Tribromophenol</i>	42.9		"	50.000	86	10-123
<i>Surrogate: Terphenyl-d14</i>	19.7		"	25.000	79	33-141

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC21301 - VOC Purge and Trap**Blank (BC21301-BLK1)**

Prepared & Analyzed: 03/12/12 16:25

Acetone	U	2.0	ug/L							
Benzene	U	0.5	"							
Bromobenzene	U	0.5	"							
Bromochloromethane	U	0.5	"							
Bromodichloromethane	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
2-Butanone	U	2.0	"							
sec-Butylbenzene	U	0.5	"							
tert-Butylbenzene	U	0.5	"							
n-Butylbenzene	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chlorodibromomethane	U	0.5	"							
Chloroethane	U	0.5	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
2-Chlorotoluene	U	0.5	"							
4-Chlorotoluene	U	0.5	"							
Cyclohexane	U	0.5	"							
1,2-Dibromo-3-chloropropane	U	0.5	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
Dibromomethane	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							
1,3-Dichlorobenzene	U	0.5	"							
1,4-Dichlorobenzene	U	0.5	"							
Dichlorodifluoromethane	U	0.5	"							
1,1-Dichloroethane	U	0.5	"							
1,2-Dichloroethane	U	0.5	"							
1,1-Dichloroethene	U	0.5	"							
cis-1,2-Dichloroethene	U	0.5	"							
trans-1,2-Dichloroethene	U	0.5	"							
1,2-Dichloropropane	U	0.5	"							
1,3-Dichloropropane	U	0.5	"							
2,2-Dichloropropane	U	0.5	"							
1,1-Dichloropropene	U	0.5	"							
cis-1,3-Dichloropropene	U	0.5	"							
trans-1,3-Dichloropropene	U	0.5	"							
Ethylbenzene	U	0.5	"							
Freon 113	U	0.5	"							
Hexachlorobutadiene	U	0.5	"							
2-Hexanone	U	2.0	"							

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC21301 - VOC Purge and Trap**Blank (BC21301-BLK1)**

Prepared & Analyzed: 03/12/12 16:25

Isopropylbenzene	U	0.5	ug/L							
p-Isopropyltoluene	U	0.5	"							
Methyl Acetate	U	0.5	"							
Methylecyclohexane	U	0.5	"							
Methyl-tert-butyl ether	U	0.5	"							
Methylene Chloride	U	0.5	"							
4-Methyl-2-pentanone	U	2.0	"							
Naphthalene	U	0.5	"							
n-Propylbenzene	U	0.5	"							
Styrene	U	1.0	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
1,1,1,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Toluene	U	0.5	"							
1,2,3-Trichlorobenzene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,3-Trichloropropane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m-Xylene/p-Xylene	U	1.0	"							
o-Xylene	U	1.0	"							
<i>Surrogate: 4-Bromofluorobenzene</i>	3.830	"	4.0000	96	86-115					
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.120	"	4.0000	103	76-114					
<i>Surrogate: Toluene-d8</i>	3.940	"	4.0000	98	88-110					



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC21301 - VOC Purge and Trap**Blank (BC21301-BLK2)**

Prepared & Analyzed: 03/13/12 10:34

Acetone	U	2.0	ug/L							
Benzene	U	0.5	"							
Bromobenzene	U	0.5	"							
Bromochloromethane	U	0.5	"							
Bromodichloromethane	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
2-Butanone	U	2.0	"							
sec-Butylbenzene	U	0.5	"							
tert-Butylbenzene	U	0.5	"							
n-Butylbenzene	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chlorodibromomethane	U	0.5	"							
Chloroethane	U	0.5	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
2-Chlorotoluene	U	0.5	"							
4-Chlorotoluene	U	0.5	"							
Cyclohexane	U	0.5	"							
1,2-Dibromo-3-chloropropane	U	0.5	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
Dibromomethane	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							
1,3-Dichlorobenzene	U	0.5	"							
1,4-Dichlorobenzene	U	0.5	"							
Dichlorodifluoromethane	U	0.5	"							
1,1-Dichloroethane	U	0.5	"							
1,2-Dichloroethane	U	0.5	"							
1,1-Dichloroethene	U	0.5	"							
cis-1,2-Dichloroethene	U	0.5	"							
trans-1,2-Dichloroethene	U	0.5	"							
1,2-Dichloropropane	U	0.5	"							
1,3-Dichloropropane	U	0.5	"							
2,2-Dichloropropane	U	0.5	"							
1,1-Dichloropropene	U	0.5	"							
cis-1,3-Dichloropropene	U	0.5	"							
trans-1,3-Dichloropropene	U	0.5	"							
Ethylbenzene	U	0.5	"							
Freon 113	U	0.5	"							
Hexachlorobutadiene	U	0.5	"							
2-Hexanone	U	2.0	"							



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
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Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC21301 - VOC Purge and Trap**Blank (BC21301-BLK2)**

Prepared & Analyzed: 03/13/12 10:34

Isopropylbenzene	U	0.5	ug/L							
p-Isopropyltoluene	U	0.5	"							
Methyl Acetate	U	0.5	"							
Methylecyclohexane	U	0.5	"							
Methyl-tert-butyl ether	U	0.5	"							
Methylene Chloride	U	0.5	"							
4-Methyl-2-pentanone	U	2.0	"							
Naphthalene	U	0.5	"							
n-Propylbenzene	U	0.5	"							
Styrene	U	1.0	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
1,1,1,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Toluene	U	0.5	"							
1,2,3-Trichlorobenzene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,3-Trichloropropane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m-Xylene/p-Xylene	U	1.0	"							
o-Xylene	U	1.0	"							
<i>Surrogate: 4-Bromofluorobenzene</i>	3.900		"	4.0000	98	86-115				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.300		"	4.0000	108	76-114				
<i>Surrogate: Toluene-d8</i>	3.970		"	4.0000	99	88-110				



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Project #: DAS R33937

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC21301 - VOC Purge and Trap

LCS (BC21301-BS1)

Prepared & Analyzed: 03/12/12 15:31

Acetone	0.37	2.0	ug/L				80-120			J
Benzene	4.77	0.5	"	5.0000		95	80-120			
Bromobenzene	4.64	0.5	"	5.0000		93	80-120			
Bromochloromethane	4.59	0.5	"	5.0000		92	80-120			
Bromodichloromethane	4.63	0.5	"	5.0000		93	80-120			
Bromoform	4.39	0.5	"	5.0000		88	80-120			
Bromomethane	6.05	0.5	"	5.0000		121	80-120			A
2-Butanone	U	2.0	"				80-120			
sec-Butylbenzene	5.00	0.5	"	5.0000		100	80-120			
tert-Butylbenzene	5.02	0.5	"	5.0000		100	80-120			
n-Butylbenzene	5.21	0.5	"	5.0000		104	80-120			
Carbon disulfide	U	0.5	"				80-120			
Carbon Tetrachloride	4.86	0.5	"	5.0000		97	80-120			
Chlorobenzene	4.67	0.5	"	5.0000		93	80-120			
Chlorodibromomethane	4.52	0.5	"	5.0000		90	80-120			
Chloroethane	5.06	0.5	"	5.0000		101	80-120			
Chloroform	4.82	0.5	"	5.0000		96	80-120			
Chloromethane	6.07	0.5	"	5.0000		121	80-120			A
2-Chlorotoluene	4.80	0.5	"	5.0000		96	80-120			
4-Chlorotoluene	4.96	0.5	"	5.0000		99	80-120			
Cyclohexane	U	0.5	"				80-120			
1,2-Dibromo-3-chloropropane	4.38	0.5	"	5.0000		88	80-120			
1,2-Dibromoethane (EDB)	4.44	0.5	"	5.0000		89	80-120			
Dibromomethane	4.62	0.5	"	5.0000		92	80-120			
1,2-Dichlorobenzene	4.73	0.5	"	5.0000		95	80-120			
1,3-Dichlorobenzene	4.79	0.5	"	5.0000		96	80-120			
1,4-Dichlorobenzene	4.61	0.5	"	5.0000		92	80-120			
Dichlorodifluoromethane	7.13	0.5	"	5.0000		143	80-120			A
1,1-Dichloroethane	4.75	0.5	"	5.0000		95	80-120			
1,2-Dichloroethane	4.56	0.5	"	5.0000		91	80-120			
1,1-Dichloroethene	5.53	0.5	"	5.0000		111	80-120			
cis-1,2-Dichloroethene	4.70	0.5	"	5.0000		94	80-120			
trans-1,2-Dichloroethene	4.76	0.5	"	5.0000		95	80-120			
1,2-Dichloropropane	4.56	0.5	"	5.0000		91	80-120			
1,3-Dichloropropane	4.49	0.5	"	5.0000		90	80-120			
2,2-Dichloropropane	5.06	0.5	"	5.0000		101	80-120			
1,1-Dichloropropene	4.93	0.5	"	5.0000		99	80-120			
cis-1,3-Dichloropropene	4.66	0.5	"	5.0000		93	80-120			
trans-1,3-Dichloropropene	4.84	0.5	"	5.0000		97	80-120			
Ethylbenzene	5.01	0.5	"	5.0000		100	80-120			
Freon 113	U	0.5	"				80-120			
Hexachlorobutadiene	4.79	0.5	"	5.0000		96	80-120			
2-Hexanone	U	2.0	"				80-120			

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
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Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC21301 - VOC Purge and Trap**LCS (BC21301-BS1)**

Prepared & Analyzed: 03/12/12 15:31

Isopropylbenzene	5.58	0.5	ug/L	5.0000	112	80-120
p-Isopropyltoluene	5.43	0.5	"	5.0000	109	80-120
Methyl Acetate	U	0.5	"			80-120
Methylecyclohexane	U	0.5	"			80-120
Methyl-tert-butyl ether	U	0.5	"			80-120
Methylene Chloride	4.64	0.5	"	5.0000	93	80-120
4-Methyl-2-pentanone	U	2.0	"			80-120
Naphthalene	4.62	0.5	"	5.0000	92	80-120
n-Propylbenzene	5.19	0.5	"	5.0000	104	80-120
1,1,2,2-Tetrachloroethane	4.25	0.5	"	5.0000	85	80-120
1,1,1,2-Tetrachloroethane	4.72	0.5	"	5.0000	94	80-120
Tetrachloroethene	4.93	0.5	"	5.0000	99	80-120
Toluene	4.74	0.5	"	5.0000	95	80-120
1,2,3-Trichlorobenzene	4.68	0.5	"	5.0000	94	80-120
1,2,4-Trichlorobenzene	4.88	0.5	"	5.0000	98	80-120
1,1,1-Trichloroethane	4.82	0.5	"	5.0000	96	80-120
1,1,2-Trichloroethane	4.54	0.5	"	5.0000	91	80-120
Trichloroethene	4.89	0.5	"	5.0000	98	80-120
Trichlorofluoromethane	5.10	0.5	"	5.0000	102	80-120
1,2,3-Trichloropropane	4.65	0.5	"	5.0000	93	80-120
1,2,4-Trimethylbenzene	4.96	0.5	"	5.0000	99	80-120
1,3,5-Trimethylbenzene	4.88	0.5	"	5.0000	98	80-120
Vinyl acetate	U	0.5	"			80-120
Vinyl chloride	5.53	0.5	"	5.0000	111	80-120
m-Xylene/p-Xylene	9.67	1.0	"	10.000	97	80-120
<i>Surrogate: 4-Bromofluorobenzene</i>	4.060		"	4.0000	102	86-115
<i>Surrogate: 1,2-Dichloroethane-d4</i>	3.950		"	4.0000	99	76-114
<i>Surrogate: Toluene-d8</i>	3.960		"	4.0000	99	88-110



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
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Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC21301 - VOC Purge and Trap

Matrix Spike (BC21301-MS1)	Source: 1203001-04			Prepared & Analyzed: 03/13/12 11:01				
Acetone	4.46	2.0	ug/L	5.0000	0.00	89	70-130	
Benzene	4.93	0.5	"	5.0000	0.00	99	76-127	
Bromobenzene	4.54	0.5	"	5.0000	0.00	91	70-130	
Bromochloromethane	4.56	0.5	"	5.0000	0.00	91	70-130	
Bromodichloromethane	4.67	0.5	"	5.0000	0.00	93	70-130	
Bromoform	4.01	0.5	"	5.0000	0.00	80	70-130	
Bromomethane	4.15	0.5	"	5.0000	0.00	83	70-130	
2-Butanone	3.98	2.0	"	5.0000	0.00	80	70-130	
sec-Butylbenzene	4.89	0.5	"	5.0000	0.00	98	70-130	
tert-Butylbenzene	4.82	0.5	"	5.0000	0.00	96	70-130	
n-Butylbenzene	5.03	0.5	"	5.0000	0.00	101	70-130	
Carbon disulfide	5.38	0.5	"	5.0000	0.00	108	70-130	
Carbon Tetrachloride	4.99	0.5	"	5.0000	0.00	100	70-130	
Chlorobenzene	4.64	0.5	"	5.0000	0.00	93	75-130	
Chlorodibromomethane	4.53	0.5	"	5.0000	0.00	91	70-130	
Chloroethane	5.28	0.5	"	5.0000	0.00	106	70-130	
Chloroform	4.87	0.5	"	5.0000	0.00	97	70-130	
Chloromethane	4.66	0.5	"	5.0000	0.00	93	70-130	
2-Chlorotoluene	4.75	0.5	"	5.0000	0.00	95	70-130	
4-Chlorotoluene	4.75	0.5	"	5.0000	0.00	95	70-130	
1,2-Dibromo-3-chloropropane	4.21	0.5	"	5.0000	0.00	84	70-130	
1,2-Dibromoethane (EDB)	4.48	0.5	"	5.0000	0.00	90	70-130	
Dibromomethane	4.71	0.5	"	5.0000	0.00	94	70-130	
1,2-Dichlorobenzene	4.55	0.5	"	5.0000	0.00	91	70-130	
1,3-Dichlorobenzene	4.56	0.5	"	5.0000	0.00	91	70-130	
1,4-Dichlorobenzene	4.46	0.5	"	5.0000	0.00	89	70-130	
Dichlorodifluoromethane	5.35	0.5	"	5.0000	0.00	107	70-130	
1,1-Dichloroethane	4.86	0.5	"	5.0000	0.00	97	70-130	
1,2-Dichloroethane	4.54	0.5	"	5.0000	0.00	91	70-130	
1,1-Dichloroethene	5.30	0.5	"	5.0000	0.00	106	61-145	
cis-1,2-Dichloroethene	4.87	0.5	"	5.0000	0.00	97	70-130	
trans-1,2-Dichloroethene	4.90	0.5	"	5.0000	0.00	98	70-130	
1,2-Dichloropropane	4.80	0.5	"	5.0000	0.00	96	70-130	
1,3-Dichloropropane	4.64	0.5	"	5.0000	0.00	93	70-130	
2,2-Dichloropropane	4.95	0.5	"	5.0000	0.00	99	70-130	
1,1-Dichloropropene	4.85	0.5	"	5.0000	0.00	97	70-130	
cis-1,3-Dichloropropene	4.74	0.5	"	5.2500	0.00	90	70-130	
trans-1,3-Dichloropropene	4.14	0.5	"	4.7500	0.00	87	70-130	
Ethylbenzene	5.00	0.5	"	5.0000	0.00	100	70-130	
Hexachlorobutadiene	4.83	0.5	"	5.0000	0.00	97	70-130	
2-Hexanone	4.06	2.0	"	5.0000	0.00	81	70-130	
Isopropylbenzene	4.85	0.5	"	5.0000	0.00	97	70-130	
p-Isopropyltoluene	4.97	0.5	"	5.0000	0.00	99	70-130	

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Region 3 Environmental Science Center
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701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33937

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC21301 - VOC Purge and Trap

Matrix Spike (BC21301-MS1)	Source: 1203001-04			Prepared & Analyzed: 03/13/12 11:01					
Methylene Chloride	4.70	0.5	ug/L	5.0000	0.00	94	70-130		
4-Methyl-2-pentanone	4.41	2.0	"	5.0000	0.00	88	70-130		
Naphthalene	4.36	0.5	"	5.0000	0.00	87	70-130		
n-Propylbenzene	4.93	0.5	"	5.0000	0.00	99	70-130		
1,1,2,2-Tetrachloroethane	4.56	0.5	"	5.0000	0.00	91	70-130		
1,1,1,2-Tetrachloroethane	4.58	0.5	"	5.0000	0.00	92	70-130		
Tetrachloroethene	4.72	0.5	"	5.0000	0.00	94	70-130		
Toluene	4.75	0.5	"	5.0000	0.00	95	76-125		
1,2,3-Trichlorobenzene	4.33	0.5	"	5.0000	0.00	87	70-130		
1,2,4-Trichlorobenzene	4.29	0.5	"	5.0000	0.00	86	70-130		
1,1,1-Trichloroethane	4.84	0.5	"	5.0000	0.00	97	70-130		
1,1,2-Trichloroethane	4.54	0.5	"	5.0000	0.00	91	70-130		
Trichloroethene	4.85	0.5	"	5.0000	0.00	97	71-120		
Trichlorofluoromethane	5.40	0.5	"	5.0000	0.00	108	70-130		
1,2,3-Trichloropropane	4.48	0.5	"	5.0000	0.00	90	70-130		
1,2,4-Trimethylbenzene	4.84	0.5	"	5.0000	0.00	97	70-130		
1,3,5-Trimethylbenzene	4.89	0.5	"	5.0000	0.00	98	70-130		
Vinyl acetate	4.83	0.5	"	5.0000	0.00	97	70-130		
Vinyl chloride	5.19	0.5	"	5.0000	0.00	104	70-130		
m-Xylene/p-Xylene	9.86	1.0	"	10.000	0.00	99	70-130		
Surrogate: 4-Bromofluorobenzene	3.980		"	4.0000		100	86-115		
Surrogate: 1,2-Dichloroethane-d4	3.990		"	4.0000		100	76-114		
Surrogate: Toluene-d8	3.970		"	4.0000		99	88-110		

Matrix Spike Dup (BC21301-MSD1)	Source: 1203001-04			Prepared & Analyzed: 03/13/12 11:28					
Acetone	4.45	2.0	ug/L	5.0000	0.00	89	70-130	0.2	20
Benzene	5.17	0.5	"	5.0000	0.00	103	76-127	5	11
Bromobenzene	4.70	0.5	"	5.0000	0.00	94	70-130	3	20
Bromochloromethane	5.14	0.5	"	5.0000	0.00	103	70-130	12	20
Bromodichloromethane	4.94	0.5	"	5.0000	0.00	99	70-130	6	20
Bromoform	4.34	0.5	"	5.0000	0.00	87	70-130	8	20
Bromomethane	4.46	0.5	"	5.0000	0.00	89	70-130	7	20
2-Butanone	4.21	2.0	"	5.0000	0.00	84	70-130	6	20
sec-Butylbenzene	4.94	0.5	"	5.0000	0.00	99	70-130	1	20
tert-Butylbenzene	4.96	0.5	"	5.0000	0.00	99	70-130	3	20
n-Butylbenzene	5.11	0.5	"	5.0000	0.00	102	70-130	2	20
Carbon disulfide	5.26	0.5	"	5.0000	0.00	105	70-130	2	20
Carbon Tetrachloride	5.20	0.5	"	5.0000	0.00	104	70-130	4	20
Chlorobenzene	4.76	0.5	"	5.0000	0.00	95	75-130	3	13
Chlorodibromomethane	4.68	0.5	"	5.0000	0.00	94	70-130	3	20
Chloroethane	5.13	0.5	"	5.0000	0.00	103	70-130	3	20
Chloroform	5.11	0.5	"	5.0000	0.00	102	70-130	5	20
Chloromethane	4.63	0.5	"	5.0000	0.00	93	70-130	0.6	20

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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC21301 - VOC Purge and Trap

Matrix Spike Dup (BC21301-MSD1)	Source: 1203001-04			Prepared & Analyzed: 03/13/12 11:28						
2-Chlorotoluene	4.84	0.5	ug/L	5.0000	0.00	97	70-130	2	20	
4-Chlorotoluene	4.95	0.5	"	5.0000	0.00	99	70-130	4	20	
1,2-Dibromo-3-chloropropane	4.41	0.5	"	5.0000	0.00	88	70-130	5	20	
1,2-Dibromoethane (EDB)	4.60	0.5	"	5.0000	0.00	92	70-130	3	20	
Dibromomethane	4.85	0.5	"	5.0000	0.00	97	70-130	3	20	
1,2-Dichlorobenzene	4.63	0.5	"	5.0000	0.00	93	70-130	2	20	
1,3-Dichlorobenzene	4.68	0.5	"	5.0000	0.00	94	70-130	3	20	
1,4-Dichlorobenzene	4.66	0.5	"	5.0000	0.00	93	70-130	4	20	
Dichlorodifluoromethane	5.23	0.5	"	5.0000	0.00	105	70-130	2	20	
1,1-Dichloroethane	5.09	0.5	"	5.0000	0.00	102	70-130	5	20	
1,2-Dichloroethane	4.91	0.5	"	5.0000	0.00	98	70-130	8	20	
1,1-Dichloroethene	5.34	0.5	"	5.0000	0.00	107	61-145	0.8	14	
cis-1,2-Dichloroethene	5.14	0.5	"	5.0000	0.00	103	70-130	5	20	
trans-1,2-Dichloroethene	4.98	0.5	"	5.0000	0.00	100	70-130	2	20	
1,2-Dichloropropane	5.07	0.5	"	5.0000	0.00	101	70-130	5	20	
1,3-Dichloropropane	4.85	0.5	"	5.0000	0.00	97	70-130	4	20	
2,2-Dichloropropane	5.37	0.5	"	5.0000	0.00	107	70-130	8	20	
1,1-Dichloropropene	5.14	0.5	"	5.0000	0.00	103	70-130	6	20	
cis-1,3-Dichloropropene	5.23	0.5	"	5.2500	0.00	100	70-130	10	20	
trans-1,3-Dichloropropene	4.24	0.5	"	4.7500	0.00	89	70-130	2	20	
Ethylbenzene	5.19	0.5	"	5.0000	0.00	104	70-130	4	20	
Hexachlorobutadiene	4.73	0.5	"	5.0000	0.00	95	70-130	2	20	
2-Hexanone	3.77	2.0	"	5.0000	0.00	75	70-130	7	20	
Isopropylbenzene	5.00	0.5	"	5.0000	0.00	100	70-130	3	20	
p-Isopropyltoluene	5.04	0.5	"	5.0000	0.00	101	70-130	1	20	
Methylene Chloride	4.97	0.5	"	5.0000	0.00	99	70-130	6	20	
4-Methyl-2-pentanone	4.47	2.0	"	5.0000	0.00	89	70-130	1	20	
Naphthalene	4.60	0.5	"	5.0000	0.00	92	70-130	5	20	
n-Propylbenzene	5.06	0.5	"	5.0000	0.00	101	70-130	3	20	
1,1,2,2-Tetrachloroethane	4.58	0.5	"	5.0000	0.00	92	70-130	0.4	20	
1,1,1,2-Tetrachloroethane	4.75	0.5	"	5.0000	0.00	95	70-130	4	20	
Tetrachloroethene	4.89	0.5	"	5.0000	0.00	98	70-130	4	20	
Toluene	4.87	0.5	"	5.0000	0.00	97	76-125	2	13	
1,2,3-Trichlorobenzene	4.56	0.5	"	5.0000	0.00	91	70-130	5	20	
1,2,4-Trichlorobenzene	4.53	0.5	"	5.0000	0.00	91	70-130	5	20	
1,1,1-Trichloroethane	5.10	0.5	"	5.0000	0.00	102	70-130	5	20	
1,1,2-Trichloroethane	4.81	0.5	"	5.0000	0.00	96	70-130	6	20	
Trichloroethene	5.06	0.5	"	5.0000	0.00	101	71-120	4	14	
Trichlorofluoromethane	5.23	0.5	"	5.0000	0.00	105	70-130	3	20	
1,2,3-Trichloropropane	4.45	0.5	"	5.0000	0.00	89	70-130	0.7	20	
1,2,4-Trimethylbenzene	5.02	0.5	"	5.0000	0.00	100	70-130	4	20	
1,3,5-Trimethylbenzene	5.05	0.5	"	5.0000	0.00	101	70-130	3	20	
Vinyl acetate	4.87	0.5	"	5.0000	0.00	97	70-130	0.8	20	

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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC21301 - VOC Purge and Trap

Matrix Spike Dup (BC21301-MSD1)	Source: 1203001-04			Prepared & Analyzed: 03/13/12 11:28					
Vinyl chloride	5.16	0.5	ug/L	5.0000	0.00	103	70-130	0.6	20
m-Xylene/p-Xylene	10.09	1.0	"	10.000	0.00	101	70-130	2	20
Surrogate: 4-Bromofluorobenzene	3.910		"	4.0000		98	86-115		
Surrogate: 1,2-Dichloroethane-d4	4.050		"	4.0000		101	76-114		
Surrogate: Toluene-d8	3.920		"	4.0000		98	88-110		



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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

QC Data
Total Metals

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC21203 - Metals Water Prep**Blank (BC21203-BLK1)**

Prepared: 03/12/12 10:38 Analyzed: 03/14/12 12:50

Antimony	U	2.0	ug/L
Arsenic	U	1.0	"
Barium	U	10.0	"
Beryllium	U	1.0	"
Cadmium	U	1.0	"
Chromium	U	2.0	"
Cobalt	U	1.0	"
Copper	U	2.0	"
Lead	U	1.0	"
Manganese	U	1.0	"
Nickel	U	1.0	"
Selenium	U	5.0	"
Silver	U	1.0	"
Thallium	U	1.0	"
Vanadium	U	5.0	"
Zinc	U	2.0	"
Aluminum	U	30.0	"
Uranium	U	1.0	"

Blank (BC21203-BLK2)

Prepared: 03/12/12 10:38 Analyzed: 03/13/12 10:16

Calcium	U	500	ug/L
Iron	U	100	"
Magnesium	U	500	"
Potassium	U	2000	"
Sodium	U	1000	"
Barium	U	200	"
Boron	U	50.0	"
Lithium	U	25.0	"
Strontium	U	200	"
Tin	U	200	"
Titanium	U	200	"



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QC Data
Total Metals

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BC21203 - Metals Water Prep

LCS (BC21203-BS1)		Prepared: 03/12/12 10:38			Analyzed: 03/14/12 12:55		
Antimony	54.1183	2.0	ug/L	50.000	108	85-115	
Arsenic	50.7513	1.0	"	50.000	102	85-115	
Barium	200.931	10.0	"	200.00	100	85-115	
Beryllium	5.14209	1.0	"	5.0000	103	85-115	
Cadmium	4.85153	1.0	"	5.0000	97	85-115	
Chromium	52.7012	2.0	"	50.000	105	85-115	
Cobalt	53.7673	1.0	"	50.000	108	85-115	
Copper	54.0380	2.0	"	50.000	108	85-115	
Lead	51.0658	1.0	"	50.000	102	85-115	
Manganese	52.5564	1.0	"	50.000	105	85-115	
Nickel	52.1921	1.0	"	50.000	104	85-115	
Selenium	49.6623	5.0	"	50.000	99	85-115	
Silver	5.68818	1.0	"	5.0000	114	85-115	
Thallium	49.3160	1.0	"	50.000	99	85-115	
Vanadium	51.5711	5.0	"	50.000	103	85-115	
Zinc	51.6573	2.0	"	50.000	103	85-115	
Aluminum	215.914	30.0	"	200.00	108	85-115	
Uranium	51.6572	1.0	"	50.000	103	85-115	

LCS (BC21203-BS2)		Prepared: 03/12/12 10:38			Analyzed: 03/13/12 10:19		
Calcium	9843.20	500	ug/L	10000	98	85-115	
Iron	5047.33	100	"	5000.0	101	85-115	
Magnesium	10394.8	500	"	10000	104	85-115	
Potassium	20853.2	2000	"	20000	104	85-115	
Sodium	9691.60	1000	"	10000	97	85-115	
Barium	1972.54	200	"	2000.0	99	85-115	
Boron	513.817	50.0	"	500.00	103	85-115	
Lithium	549.034	25.0	"	500.00	110	85-115	
Strontium	503.189	200	"	500.00	101	85-115	
Tin	498.456	200	"	500.00	100	85-115	
Titanium	525.781	200	"	500.00	105	85-115	



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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

QC Data
Total Metals

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BC21203 - Metals Water Prep

Duplicate (BC21203-DUP1)	Source: 1203001-02	Prepared: 03/12/12 10:38	Analyzed: 03/14/12 13:05				
Antimony	0.024162	2.0	ug/L	0.025025	4	20	
Arsenic	9.60953	1.0	"	9.29011	3	20	
Barium	1730.41	10.0	"	1714.48	0.9	20	
Beryllium	U	1.0	"	0.006260		20	
Cadmium	U	1.0	"	U		20	
Chromium	U	2.0	"	U		20	
Cobalt	0.054892	1.0	"	0.053888	2	20	
Copper	3.10982	2.0	"	3.02668	3	20	
Lead	U	1.0	"	U		20	
Manganese	214.964	1.0	"	216.841	0.9	20	
Nickel	0.684742	1.0	"	0.845140	21	20	D
Selenium	0.300910	5.0	"	0.287040	5	20	
Silver	U	1.0	"	U		20	
Thallium	U	1.0	"	U		20	
Vanadium	0.365662	5.0	"	0.455582	22	20	D
Zinc	2.93056	2.0	"	2.60657	12	20	
Aluminum	2.26438	30.0	"	2.96237	27	20	D
Uranium	0.010888	1.0	"	0.006488	51	20	D

Duplicate (BC21203-DUP2)	Source: 1203001-02	Prepared: 03/12/12 10:38	Analyzed: 03/13/12 10:30				
Calcium	29062.4	500	ug/L	29848.9	3	20	
Iron	739.691	100	"	754.164	2	20	
Magnesium	7360.94	500	"	7487.38	2	20	
Potassium	1331.16	2000	"	1354.07	2	20	
Sodium	19929.4	1000	"	20306.4	2	20	
Barium	1616.31	200	"	1653.15	2	20	
Boron	48.5396	50.0	"	49.8622	3	20	
Lithium	44.4354	25.0	"	47.6915	7	20	
Strontium	847.778	200	"	864.608	2	20	
Tin	3.52864	200	"	U	200	20	D
Titanium	U	200	"	U		20	



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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

QC Data
Total Metals

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BC21203 - Metals Water Prep

Matrix Spike (BC21203-MS1)	Source: 1203001-09			Prepared: 03/12/12 10:38		Analyzed: 03/14/12 13:46			
Antimony	53.3540	2.0	ug/L	50.000	0.014818	107	70-130		
Arsenic	48.0864	1.0	"	50.000	U	96	70-130		
Barium	260.787	10.0	"	200.00	68.4151	96	70-130		
Beryllium	5.49421	1.0	"	5.0000	0.013345	110	70-130		
Cadmium	4.75154	1.0	"	5.0000	U	95	70-130		
Chromium	51.1117	2.0	"	50.000	0.688805	101	70-130		
Cobalt	50.1582	1.0	"	50.000	0.074605	100	70-130		
Copper	69.8670	2.0	"	50.000	20.4795	99	70-130		
Lead	50.7791	1.0	"	50.000	0.558395	100	70-130		
Manganese	50.2177	1.0	"	50.000	0.024240	100	70-130		
Nickel	48.9506	1.0	"	50.000	1.01036	96	70-130		
Selenium	48.1231	5.0	"	50.000	0.051035	96	70-130		
Silver	5.43220	1.0	"	5.0000	U	109	70-130		
Thallium	48.4561	1.0	"	50.000	U	97	70-130		
Vanadium	50.7567	5.0	"	50.000	U	102	70-130		
Zinc	64.3924	2.0	"	50.000	15.5133	98	70-130		
Aluminum	217.519	30.0	"	200.00	9.82136	104	70-130		
Uranium	52.1318	1.0	"	50.000	0.463778	103	70-130		

Matrix Spike (BC21203-MS2)	Source: 1203001-09			Prepared: 03/12/12 10:38		Analyzed: 03/13/12 11:04		
Calcium	43665.4	500	ug/L	10000	31895.0	118	70-130	
Iron	5177.21	100	"	5000.0	9.56564	103	70-130	
Magnesium	18156.8	500	"	10000	7035.23	111	70-130	
Potassium	22771.8	2000	"	20000	1353.03	107	70-130	
Sodium	27487.1	1000	"	10000	16089.3	114	70-130	
Boron	545.988	50.0	"	500.00	11.4470	107	70-130	
Lithium	567.166	25.0	"	500.00	1.94099	113	70-130	
Strontium	576.180	200	"	500.00	65.9451	102	70-130	
Tin	494.595	200	"	500.00	0.822522	99	70-130	
Titanium	527.638	200	"	500.00	U	106	70-130	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
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701 Mapes Road
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Site Name: Dimock Residential Groundwater

Project #: DAS R33937

Notes and Definitions

- UJ The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
- T Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
- J The identification of the analyte is acceptable; the reported value is an estimate.
- D Source sample result and/or duplicate sample result are below the quantitation limit and the RPD is artificially high. Precision data (RPD value) has no significance for this QC Sample.
- B Not detected substantially above (10 times) the level reported in the laboratory or field blanks (including field, trip, rinsate, and equipment blanks).
- A Quality control value is outside acceptance limits.

%REC Percent Recovery

RPD Relative Percent Difference

U Analyte included in the analysis, but not detected at or above the quantitation limit.

Quantitation Limit: The lowest concentration of an analyte that can be reliably measured within specified limits of precision and accuracy for a specific laboratory analytical method and that takes into account analytical adjustments made during sample preparation and analysis.

REPORTING PROTOCOL FOR SOLID SAMPLE RESULTS: Percent Solids (percent dry wt at 105 degrees C) determinations are routinely performed for most organic and inorganic analyses. Consequently, these samples are analyzed wet and converted to a dry weight result for reporting purposes. If metals and mercury analyses are requested, they are routinely prepared for analyses by an initial drying at 60 degrees C, homogenized prior to digestion, and are analyzed and reported on a dry weight basis. Oil-type samples are analyzed and reported on a wet weight basis for all analyses because of the nature of the sample matrix. Any exceptions to this protocol will be noted in the narrative.